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INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : C12N 15/12, C07K 14/47, C12Q 1/68, C07K 16/18		A2	(11) International Publication Number: WO 99/58675 (43) International Publication Date: 18 November 1999 (18.11.99)															
(21) International Application Number: PCT/US99/10602 (22) International Filing Date: 13 May 1999 (13.05.99) (30) Priority Data: <table><tr><td>60/085,426</td><td>14 May 1998 (14.05.98)</td><td>US</td></tr><tr><td>60/085,537</td><td>15 May 1998 (15.05.98)</td><td>US</td></tr><tr><td>60/085,696</td><td>15 May 1998 (15.05.98)</td><td>US</td></tr><tr><td>60/105,234</td><td>21 October 1998 (21.10.98)</td><td>US</td></tr><tr><td>60/105,877</td><td>27 October 1998 (27.10.98)</td><td>US</td></tr></table> (71) Applicants: CHIRON CORPORATION [US/US]; 4560 Horton Street - R440, Emeryville, CA 94608 (US). HYSEQ INC. [US/US]; 675 Almanor Avenue, Sunnyvale, CA 94086 (US). (72) Inventors: WILLIAMS, Lewis, T.; 3 Miroflores, Tiburon, CA 94920 (US). ESCOBEDO, Jaime; 1470 Lavoma Road, Alamo, CA 94507 (US). INNIS, Michael, A.; 315 Constance Place, Moraga, CA 94556 (US). GARCIA, Pablo, Dominguez; 882 Chenery Street, San Francisco, CA 94131 (US). SUDDUTH-KLINGER, Julie; 280 Lexington Road, Kensington, CA 94707 (US). REINHARD, Christoph; 1633 Clinton Avenue, Alameda, CA 94501 (US). GIESE, Klaus; Chausseestrasse 92, D-10115 Berlin (DE). RANDAZZO, Filippo; Apartment 403, 690 Chestnut Street, San Francisco, CA 94133 (US). KENNEDY, Giulia, C.; 360 Castenada Av-		60/085,426	14 May 1998 (14.05.98)	US	60/085,537	15 May 1998 (15.05.98)	US	60/085,696	15 May 1998 (15.05.98)	US	60/105,234	21 October 1998 (21.10.98)	US	60/105,877	27 October 1998 (27.10.98)	US	enue, San Francisco, CA 94116 (US). POT, David; 1565 5th Avenue #102, San Francisco, CA 94112 (US). KASSAM, Altaf; 2659 Harold Street, Oakland, CA 94602 (US). LAMSON, George; 232 Sandringham Drive, Moraga, CA 94556 (US). DRMANAC, Radoje; 850 East Greenwich Place, Palo Alto, CA 94303 (US). CRKVENJAKOV, Radomir; 762 Haverhill Drive, Sunnyvale, CA 94068 (US). DICKSON, Mark; 1411 Gabilan Drive #B, Hollister, CA 95025 (US). DRMANAC, Snezana; 850 East Greenwich Place, Palo Alto, CA 94303 (US). LABAT, Ivan; 140 Acalanes Drive, Sunnyvale, CA 94086 (US). LESHKOWITZ, Dena; 678 Durshire Way, Sunnyvale, CA 94087 (US). KITA, David; 899 Bounty Drive, Foster City, CA 94404 (US). GARCIA, Veronica; Apartment 412, 396 Ano Nuevo, Sunnyvale, CA 94086 (US). JONES, Lee, William; 396 Ano Nuevo #412, Sunnyvale, CA 94086 (US). STACHE-CRAIN, Birgit; 345 South Mary Avenue, Sunnyvale, CA 94086 (US). (74) Agent: BLACKBURN, Robert, P.; Chiron Corporation, P.O. Box 8097, Emeryville, CA 94662-8097 (US). (81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>Without international search report and to be republished upon receipt of that report.</i>	
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(54) Title: HUMAN GENES AND GENE EXPRESSION PRODUCTS V (57) Abstract This invention relates to novel human polynucleotides and variants thereof, their encoded polypeptides and variants thereof, to genes corresponding to these polynucleotides and to proteins expressed by the genes. The invention also relates to diagnostic and therapeutic agents employing such novel human polynucleotides, their corresponding genes or gene products, e.g., these genes and proteins, including probes, antisense constructs, and antibodies.																		

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HUMAN GENES AND GENE EXPRESSION PRODUCTS V

Field of the Invention

5 The present invention relates to polynucleotides of human origin and the encoded gene products.

Background of the Invention

10 Identification of novel polynucleotides, particularly those that encode an expressed gene product, is important in the advancement of drug discovery, diagnostic technologies, and the understanding of the progression and nature of complex diseases such as cancer. Identification of genes expressed in different cell types isolated from sources that differ in disease state or stage, developmental stage, exposure to various environmental factors, the tissue of origin, the species from which the tissue was isolated, and the like is key to identifying the genetic factors that are responsible for the phenotypes associated with these various differences.

15 This invention provides novel human polynucleotides, the polypeptides encoded by these polynucleotides, and the genes and proteins corresponding to these novel polynucleotides.

Summary of the Invention

20 This invention relates to novel human polynucleotides and variants thereof, their encoded polypeptides and variants thereof, to genes corresponding to these polynucleotides and to proteins expressed by the genes. The invention also relates to diagnostics and therapeutics comprising such novel human polynucleotides, their corresponding genes or gene products, including probes, antisense nucleotides, and antibodies. The polynucleotides of the invention correspond to a polynucleotide comprising the sequence information of at least one of SEQ ID NOS:1-2707.

Various aspects and embodiments of the invention will be readily apparent to the ordinarily skilled artisan upon reading the description provided herein.

25 Detailed Description of the Invention

The invention relates to polynucleotides comprising the disclosed nucleotide sequences, to full length cDNA, mRNA genomic sequences, and genes corresponding to these sequences and degenerate variants thereof, and to polypeptides encoded by the polynucleotides of the invention and polypeptide variants. The following detailed description describes the polynucleotide compositions encompassed by the invention, methods for obtaining cDNA or genomic DNA encoding a full-length gene product, expression of these polynucleotides and genes, identification of structural motifs of the polynucleotides and genes, identification of the function of a gene product encoded by a gene corresponding to a polynucleotide of the invention, use of the provided polynucleotides as probes and in mapping and in tissue profiling, use of the corresponding polypeptides and other gene

products to raise antibodies, and use of the polynucleotides and their encoded gene products for therapeutic and diagnostic purposes.

Polynucleotide Compositions

The scope of the invention with respect to polynucleotide compositions includes, but is not necessarily limited to, polynucleotides having a sequence set forth in any one of SEQ ID NOS:1-2707; polynucleotides obtained from the biological materials described herein or other biological sources (particularly human sources) by hybridization under stringent conditions (particularly conditions of high stringency); genes corresponding to the provided polynucleotides; variants of the provided polynucleotides and their corresponding genes, particularly those variants that retain a biological activity of the encoded gene product (*e.g.*, a biological activity ascribed to a gene product corresponding to the provided polynucleotides as a result of the assignment of the gene product to a protein family(ies) and/or identification of a functional domain present in the gene product). Other nucleic acid compositions contemplated by and within the scope of the present invention will be readily apparent to one of ordinary skill in the art when provided with the disclosure here.

“Polynucleotide” and “nucleic acid” as used herein with reference to nucleic acids of the composition is not intended to be limiting as to the length or structure of the nucleic acid unless specifically indicated.

The invention features polynucleotides that are expressed in human tissue, specifically human colon, breast, and/or lung tissue. Novel nucleic acid compositions of the invention of particular interest comprise a sequence set forth in any one of SEQ ID NOS:1-2707 or an identifying sequence thereof. An “identifying sequence” is a contiguous sequence of residues at least about 10 nt to about 20 nt in length, usually at least about 50 nt to about 100 nt in length, that uniquely identifies a polynucleotide sequence, *e.g.*, exhibits less than 90%, usually less than about 80% to about 85% sequence identity to any contiguous nucleotide sequence of more than about 20 nt. Thus, the subject novel nucleic acid compositions include full length cDNAs or mRNAs that encompass an identifying sequence of contiguous nucleotides from any one of SEQ ID NOS: 1-2707.

The polynucleotides of the invention also include polynucleotides having sequence similarity or sequence identity. Nucleic acids having sequence similarity are detected by hybridization under low stringency conditions, for example, at 50°C and 10XSSC (0.9 M saline/0.09 M sodium citrate) and remain bound when subjected to washing at 55°C in 1XSSC. Sequence identity can be determined by hybridization under stringent conditions, for example, at 50°C or higher and 0.1XSSC (9 mM saline/0.9 mM sodium citrate). Hybridization methods and conditions are well known in the art, see, *e.g.*, USPN 5,707,829. Nucleic acids that are substantially identical to the provided polynucleotide sequences, *e.g.* allelic variants, genetically altered versions of the gene,

etc., bind to the provided polynucleotide sequences (SEQ ID NOS:1-2707) under stringent hybridization conditions. By using probes, particularly labeled probes of DNA sequences, one can isolate homologous or related genes. The source of homologous genes can be any species, *e.g.* primate species, particularly human; rodents, such as rats and mice; canines, felines, bovines.

5 ovines, equines, yeast, nematodes, *etc.*

Preferably, hybridization is performed using at least 15 contiguous nucleotides (nt) of at least one of SEQ ID NOS:1-2707. That is, when at least 15 contiguous nt of one of the disclosed SEQ ID NOS. is used as a probe, the probe will preferentially hybridize with a nucleic acid comprising the complementary sequence, allowing the identification and retrieval of the nucleic
10 acids that uniquely hybridize to the selected probe. Probes from more than one SEQ ID NO. can hybridize with the same nucleic acid if the cDNA from which they were derived corresponds to one mRNA. Probes of more than 15 nt can be used, *e.g.*, probes of from about 18 nt to about 100 nt, but 15 nt represents sufficient sequence for unique identification.

The polynucleotides of the invention also include naturally occurring variants of the
15 nucleotide sequences (*e.g.*, degenerate variants, allelic variants, *etc.*). Variants of the polynucleotides of the invention are identified by hybridization of putative variants with nucleotide sequences disclosed herein, preferably by hybridization under stringent conditions. For example, by using appropriate wash conditions, variants of the polynucleotides of the invention can be identified where the allelic variant exhibits at most about 25-30% base pair (bp) mismatches relative to the
20 selected polynucleotide probe. In general, allelic variants contain 15-25% bp mismatches, and can contain as little as even 5-15%, or 2-5%, or 1-2% bp mismatches, as well as a single bp mismatch.

The invention also encompasses homologs corresponding to the polynucleotides of SEQ ID NOS:1-2707, where the source of homologous genes can be any mammalian species, *e.g.*, primate species, particularly human; rodents, such as rats; canines, felines, bovines, ovines, equines, yeast,
25 nematodes, *etc.* Between mammalian species, *e.g.*, human and mouse, homologs generally have substantial sequence similarity, *e.g.*, at least 75% sequence identity, usually at least 90%, more usually at least 95% between nucleotide sequences. Sequence similarity is calculated based on a reference sequence, which may be a subset of a larger sequence, such as a conserved motif, coding region, flanking region, *etc.* A reference sequence will usually be at least about 18 contiguous nt
30 long, more usually at least about 30 nt long, and may extend to the complete sequence that is being compared. Algorithms for sequence analysis are known in the art, such as gapped BLAST, described in Altschul, et al. *Nucleic Acids Res.* (1997) 25:3389-3402.

In general, variants of the invention have a sequence identity greater than at least about 65%, preferably at least about 75%, more preferably at least about 85%, and can be greater than at
35 least about 90% or more as determined by the Smith-Waterman homology search algorithm as

implemented in MPSRCH program (Oxford Molecular). For the purposes of this invention, a preferred method of calculating percent identity is the Smith-Waterman algorithm, using the following. Global DNA sequence identity must be greater than 65% as determined by the Smith-Waterman homology search algorithm as implemented in MPSRCH program (Oxford Molecular)
5 using an affine gap search with the following search parameters: gap open penalty, 12; and gap extension penalty, 1.

The subject nucleic acids can be cDNAs or genomic DNAs, as well as fragments thereof, particularly fragments that encode a biologically active gene product and/or are useful in the methods disclosed herein (*e.g.*, in diagnosis, as a unique identifier of a differentially expressed gene
10 of interest, *etc.*). The term "cDNA" as used herein is intended to include all nucleic acids that share the arrangement of sequence elements found in native mature mRNA species, where sequence elements are exons and 3' and 5' non-coding regions. Normally mRNA species have contiguous exons, with the intervening introns, when present, being removed by nuclear RNA splicing, to create a continuous open reading frame encoding a polypeptide of the invention.

15 A genomic sequence of interest comprises the nucleic acid present between the initiation codon and the stop codon, as defined in the listed sequences, including all of the introns that are normally present in a native chromosome. It can further include the 3' and 5' untranslated regions found in the mature mRNA. It can further include specific transcriptional and translational regulatory sequences, such as promoters, enhancers, *etc.*, including about 1 kb, but possibly more, of
20 flanking genomic DNA at either the 5' and 3' end of the transcribed region. The genomic DNA can be isolated as a fragment of 100 kbp or smaller, and substantially free of flanking chromosomal sequence. The genomic DNA flanking the coding region, either 3' and 5', or internal regulatory sequences as sometimes found in introns, contains sequences required for proper tissue, stage-specific, or disease-state specific expression.

25 The nucleic acid compositions of the subject invention can encode all or a part of the subject polypeptides. Double or single stranded fragments can be obtained from the DNA sequence by chemically synthesizing oligonucleotides in accordance with conventional methods, by restriction enzyme digestion, by PCR amplification, *etc.* Isolated polynucleotides and polynucleotide fragments of the invention comprise at least about 10, about 15, about 20, about 35, about 50, about
30 100, about 150 to about 200, about 250 to about 300, or about 350 contiguous nt selected from the polynucleotide sequences as shown in SEQ ID NOS:1-2707. For the most part, fragments will be of at least 15 nt, usually at least 18 nt or 25 nt, and up to at least about 50 contiguous nt in length or more. In a preferred embodiment, the polynucleotide molecules comprise a contiguous sequence of at least 12 nt selected from the group consisting of the polynucleotides shown in SEQ ID NOS:1-
35 2707.

Probes specific to the polynucleotides of the invention can be generated using the polynucleotide sequences disclosed in SEQ ID NOS:1-2707. The probes are preferably at least about a 12, 15, 16, 18, 20, 22, 24, or 25 nt fragment of a corresponding contiguous sequence of SEQ ID NOS:1-2707, and can be less than 2, 1, 0.5, 0.1, or 0.05 kb in length. The probes can be synthesized chemically or can be generated from longer polynucleotides using restriction enzymes. The probes can be labeled, for example, with a radioactive, biotinylated, or fluorescent tag. Preferably, probes are designed based upon an identifying sequence of a polynucleotide of one of SEQ ID NOS:1-2707. More preferably, probes are designed based on a contiguous sequence of one of the subject polynucleotides that remain unmasked following application of a masking program for masking low complexity (*e.g.*, XBLAST) to the sequence.. *i.e.*, one would select an unmasked region, as indicated by the polynucleotides outside the poly-n stretches of the masked sequence produced by the masking program.

The polynucleotides of the subject invention are isolated and obtained in substantial purity, generally as other than an intact chromosome. Usually, the polynucleotides, either as DNA or RNA, will be obtained substantially free of other naturally-occurring nucleic acid sequences, generally being at least about 50%, usually at least about 90% pure and are typically "recombinant", *e.g.*, flanked by one or more nucleotides with which it is not normally associated on a naturally occurring chromosome.

The polynucleotides of the invention can be provided as a linear molecule or within a circular molecule, and can be provided within autonomously replicating molecules (vectors) or within molecules without replication sequences. Expression of the polynucleotides can be regulated by their own or by other regulatory sequences known in the art. The polynucleotides of the invention can be introduced into suitable host cells using a variety of techniques available in the art, such as transferrin polycation-mediated DNA transfer, transfection with naked or encapsulated nucleic acids, liposome-mediated DNA transfer, intracellular transportation of DNA-coated latex beads, protoplast fusion, viral infection, electroporation, gene gun, calcium phosphate-mediated transfection, and the like.

The subject nucleic acid compositions can be used to, for example, produce polypeptides, as probes for the detection of mRNA of the invention in biological samples (*e.g.*, extracts of human cells) to generate additional copies of the polynucleotides, to generate ribozymes or antisense oligonucleotides, and as single stranded DNA probes or as triple-strand forming oligonucleotides. The probes described herein can be used to, for example, determine the presence or absence of the polynucleotide sequences as shown in SEQ ID NOS:1-2707 or variants thereof in a sample. These and other uses are described in more detail below.

Use of Polynucleotides to Obtain Full-Length cDNA, Gene, and Promoter Region

Full-length cDNA molecules comprising the disclosed polynucleotides are obtained as follows. A polynucleotide having a sequence of one of SEQ ID NOS:1-2707, or a portion thereof comprising at least 12, 15, 18, or 20 nt, is used as a hybridization probe to detect hybridizing members of a cDNA library using probe design methods, cloning methods, and clone selection techniques such as those described in USPN 5,654,173. Libraries of cDNA are made from selected tissues, such as normal or tumor tissue, or from tissues of a mammal treated with, for example, a pharmaceutical agent. Preferably, the tissue is the same as the tissue from which the polynucleotides of the invention were isolated, as both the polynucleotides described herein and the cDNA represent expressed genes. Most preferably, the cDNA library is made from the biological material described herein in the Examples. The choice of cell type for library construction can be made after the identity of the protein encoded by the gene corresponding to the polynucleotide of the invention is known. This will indicate which tissue and cell types are likely to express the related gene, and thus represent a suitable source for the mRNA for generating the cDNA. Where the provided polynucleotides are isolated from cDNA libraries, the libraries are prepared from mRNA of human colon cells, more preferably, human colon cancer cells, even more preferably, from a highly metastatic colon cell, Km12L4-A.

Techniques for producing and probing nucleic acid sequence libraries are described, for example, in Sambrook *et al.*, *Molecular Cloning: A Laboratory Manual, 2nd Ed.*, (1989) Cold Spring Harbor Press, Cold Spring Harbor, NY. The cDNA can be prepared by using primers based on sequence from SEQ ID NOS:1-2707. In one embodiment, the cDNA library can be made from only poly-adenylated mRNA. Thus, poly-T primers can be used to prepare cDNA from the mRNA.

Members of the library that are larger than the provided polynucleotides, and preferably that encompass the complete coding sequence of the native message, are obtained. In order to confirm that the entire cDNA has been obtained, RNA protection experiments are performed as follows. Hybridization of a full-length cDNA to an mRNA will protect the RNA from RNase degradation. If the cDNA is not full length, then the portions of the mRNA that are not hybridized will be subject to RNase degradation. This is assayed, as is known in the art, by changes in electrophoretic mobility on polyacrylamide gels, or by detection of released monoribonucleotides. Sambrook *et al.*, *Molecular Cloning: A Laboratory Manual, 2nd Ed.*, (1989) Cold Spring Harbor Press, Cold Spring Harbor, NY. In order to obtain additional sequences 5' to the end of a partial cDNA, 5' RACE (*PCR Protocols: A Guide to Methods and Applications*, (1990) Academic Press, Inc.) can be performed.

Genomic DNA is isolated using the provided polynucleotides in a manner similar to the isolation of full-length cDNAs. Briefly, the provided polynucleotides, or portions thereof, are used as probes to libraries of genomic DNA. Preferably, the library is obtained from the cell type that

was used to generate the polynucleotides of the invention, but this is not essential. Most preferably, the genomic DNA is obtained from the biological material described herein in the Examples. Such libraries can be in vectors suitable for carrying large segments of a genome, such as P1 or YAC, as described in detail in Sambrook *et al.*, 9.4-9.30. In addition, genomic sequences can be isolated from human BAC libraries, which are commercially available from Research Genetics, Inc., Huntsville, Alabama, USA, for example. In order to obtain additional 5' or 3' sequences, chromosome walking is performed, as described in Sambrook *et al.*, such that adjacent and overlapping fragments of genomic DNA are isolated. These are mapped and pieced together, as is known in the art, using restriction digestion enzymes and DNA ligase.

Using the polynucleotide sequences of the invention, corresponding full-length genes can be isolated using both classical and PCR methods to construct and probe cDNA libraries. Using either method, Northern blots, preferably, are performed on a number of cell types to determine which cell lines express the gene of interest at the highest level. Classical methods of constructing cDNA libraries are taught in Sambrook *et al.*, *supra*. With these methods, cDNA can be produced from mRNA and inserted into viral or expression vectors. Typically, libraries of mRNA comprising poly(A) tails can be produced with poly(T) primers. Similarly, cDNA libraries can be produced using the instant sequences as primers.

PCR methods are used to amplify the members of a cDNA library that comprise the desired insert. In this case, the desired insert will contain sequence from the full length cDNA that corresponds to the instant polynucleotides. Such PCR methods include gene trapping and RACE methods. Gene trapping entails inserting a member of a cDNA library into a vector. The vector then is denatured to produce single stranded molecules. Next, a substrate-bound probe, such as a biotinylated oligo, is used to trap cDNA inserts of interest. Biotinylated probes can be linked to an avidin-bound solid substrate. PCR methods can be used to amplify the trapped cDNA. To trap sequences corresponding to the full length genes, the labeled probe sequence is based on the polynucleotide sequences of the invention. Random primers or primers specific to the library vector can be used to amplify the trapped cDNA. Such gene trapping techniques are described in Gruber *et al.*, WO 95/04745 and Gruber *et al.*, USPN 5,500,356. Kits are commercially available to perform gene trapping experiments from, for example, Life Technologies, Gaithersburg, Maryland, USA.

"Rapid amplification of cDNA ends," or RACE, is a PCR method of amplifying cDNAs from a number of different RNAs. The cDNAs are ligated to an oligonucleotide linker, and amplified by PCR using two primers. One primer is based on sequence from the instant polynucleotides, for which full length sequence is desired, and a second primer comprises sequence that hybridizes to the oligonucleotide linker to amplify the cDNA. A description of this methods is reported in WO 97/19110. In preferred embodiments of RACE, a common primer is designed to

anneal to an arbitrary adaptor sequence ligated to cDNA ends (Apte and Siebert, *Biotechniques* (1993) 15:890-893; Edwards *et al.*, *Nuc. Acids Res.* (1991) 19:5227-5232). When a single gene-specific RACE primer is paired with the common primer, preferential amplification of sequences between the single gene specific primer and the common primer occurs. Commercial cDNA pools
5 modified for use in RACE are available.

Another PCR-based method generates full-length cDNA library with anchored ends without needing specific knowledge of the cDNA sequence. The method uses lock-docking primers (I-VI), where one primer, poly TV (I-III) locks over the polyA tail of eukaryotic mRNA producing first strand synthesis and a second primer, polyGH (IV-VI) locks onto the polyC tail added by terminal
10 deoxynucleotidyl transferase (TdT)(see, e.g., WO 96/40998).

The promoter region of a gene generally is located 5' to the initiation site for RNA polymerase II. Hundreds of promoter regions contain the "TATA" box, a sequence such as TATTA or TATAA, which is sensitive to mutations. The promoter region can be obtained by performing 5' RACE using a primer from the coding region of the gene. Alternatively, the cDNA can be used as a
15 probe for the genomic sequence, and the region 5' to the coding region is identified by "walking up." If the gene is highly expressed or differentially expressed, the promoter from the gene can be of use in a regulatory construct for a heterologous gene.

Once the full-length cDNA or gene is obtained, DNA encoding variants can be prepared by site-directed mutagenesis, described in detail in Sambrook *et al.*, 15.3-15.63. The choice of codon or
20 nucleotide to be replaced can be based on disclosure herein on optional changes in amino acids to achieve altered protein structure and/or function.

As an alternative method to obtaining DNA or RNA from a biological material, nucleic acid comprising nucleotides having the sequence of one or more polynucleotides of the invention can be synthesized. Thus, the invention encompasses nucleic acid molecules ranging in length from 15 nt
25 (corresponding to at least 15 contiguous nt of one of SEQ ID NOS:1-2707) up to a maximum length suitable for one or more biological manipulations, including replication and expression, of the nucleic acid molecule. The invention includes but is not limited to (a) nucleic acid having the size of a full gene, and comprising at least one of SEQ ID NOS:1-2707; (b) the nucleic acid of (a) also comprising at least one additional gene, operably linked to permit expression of a fusion protein; (c)
30 an expression vector comprising (a) or (b); (d) a plasmid comprising (a) or (b); and (e) a recombinant viral particle comprising (a) or (b). Once provided with the polynucleotides disclosed herein, construction or preparation of (a) - (e) are well within the skill in the art.

The sequence of a nucleic acid comprising at least 15 contiguous nt of at least any one of SEQ ID NOS:1-2707, preferably the entire sequence of at least any one of SEQ ID NOS:1-2707, is
35 not limited and can be any sequence of A, T, G, and/or C (for DNA) and A, U, G, and/or C (for

RNA) or modified bases thereof, including inosine and pseudouridine. The choice of sequence will depend on the desired function and can be dictated by coding regions desired, the intron-like regions desired, and the regulatory regions desired. Where the entire sequence of any one of SEQ ID NOS:1-2707 is within the nucleic acid, the nucleic acid obtained is referred to herein as a polynucleotide comprising the sequence of any one of SEQ ID NOS:1-2707.

Expression of Polypeptide Encoded by Full-Length cDNA or Full-Length Gene

The provided polynucleotides (e.g., a polynucleotide having a sequence of one of SEQ ID NOS:1-2707), the corresponding cDNA, or the full-length gene is used to express a partial or complete gene product. Constructs of polynucleotides having sequences of SEQ ID NOS:1-2707 can also be generated synthetically. Alternatively, single-step assembly of a gene and entire plasmid from large numbers of oligodeoxyribonucleotides is described by, e.g., Stemmer *et al.*, *Gene (Amsterdam)* (1995) 164(1):49-53. In this method, assembly PCR (the synthesis of long DNA sequences from large numbers of oligodeoxyribonucleotides (oligos)) is described. The method is derived from DNA shuffling (Stemmer, *Nature* (1994) 370:389-391), and does not rely on DNA ligase, but instead relies on DNA polymerase to build increasingly longer DNA fragments during the assembly process.

Appropriate polynucleotide constructs are purified using standard recombinant DNA techniques as described in, for example, Sambrook *et al.*, *Molecular Cloning: A Laboratory Manual*, 2nd Ed., (1989) Cold Spring Harbor Press, Cold Spring Harbor, NY, and under current regulations described in United States Dept. of HHS, National Institute of Health (NIH) Guidelines for Recombinant DNA Research. The gene product encoded by a polynucleotide of the invention is expressed in any expression system, including, for example, bacterial, yeast, insect, amphibian and mammalian systems. Vectors, host cells and methods for obtaining expression in same are well known in the art. Suitable vectors and host cells are described in USPN 5,654,173.

Polynucleotide molecules comprising a polynucleotide sequence provided herein are generally propagated by placing the molecule in a vector. Viral and non-viral vectors are used, including plasmids. The choice of plasmid will depend on the type of cell in which propagation is desired and the purpose of propagation. Certain vectors are useful for amplifying and making large amounts of the desired DNA sequence. Other vectors are suitable for expression in cells in culture. Still other vectors are suitable for transfer and expression in cells in a whole animal or person. The choice of appropriate vector is well within the skill of the art. Many such vectors are available commercially. Methods for preparation of vectors comprising a desired sequence are well known in the art.

The polynucleotides set forth in SEQ ID NOS:1-2707 or their corresponding full-length polynucleotides are linked to regulatory sequences as appropriate to obtain the desired expression

properties. These can include promoters (attached either at the 5' end of the sense strand or at the 3' end of the antisense strand), enhancers, terminators, operators, repressors, and inducers. The promoters can be regulated or constitutive. In some situations it may be desirable to use conditionally active promoters, such as tissue-specific or developmental stage-specific promoters.

5 These are linked to the desired nucleotide sequence using the techniques described above for linkage to vectors. Any techniques known in the art can be used.

When any of the above host cells, or other appropriate host cells or organisms, are used to replicate and/or express the polynucleotides or nucleic acids of the invention, the resulting replicated nucleic acid, RNA, expressed protein or polypeptide, is within the scope of the invention as a
10 product of the host cell or organism. The product is recovered by any appropriate means known in the art.

Once the gene corresponding to a selected polynucleotide is identified, its expression can be regulated in the cell to which the gene is native. For example, an endogenous gene of a cell can be regulated by an exogenous regulatory sequence as disclosed in USPN 5,641,670.

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Identification of Functional and Structural Motifs of Novel Genes Screening Against Publicly Available Databases

Translations of the nucleotide sequence of the provided polynucleotides, cDNAs or full genes can be aligned with individual known sequences. Similarity with individual sequences can be
20 used to determine the activity of the polypeptides encoded by the polynucleotides of the invention. Also, sequences exhibiting similarity with more than one individual sequence can exhibit activities that are characteristic of either or both individual sequences.

The full length sequences and fragments of the polynucleotide sequences of the nearest neighbors can be used as probes and primers to identify and isolate the full length sequence
25 corresponding to provided polynucleotides. The nearest neighbors can indicate a tissue or cell type to be used to construct a library for the full-length sequences corresponding to the provided polynucleotides.

Typically, a selected polynucleotide is translated in all six frames to determine the best alignment with the individual sequences. The sequences disclosed herein in the Sequence Listing are in a 5' to 3' orientation and translation in three frames can be sufficient (with a few specific
30 exceptions as described in the Examples). These amino acid sequences are referred to, generally, as query sequences, which will be aligned with the individual sequences. Databases with individual sequences are described in "Computer Methods for Macromolecular Sequence Analysis" *Methods in Enzymology* (1996) 266, Doolittle, Academic Press, Inc., a division of Harcourt Brace & Co., San
35 Diego, California, USA. Databases include GenBank, EMBL, and DNA Database of Japan (DDBJ).

Query and individual sequences can be aligned using the methods and computer programs described above, and include BLAST 2.0, available over the world wide web at <http://www.ncbi.nlm.nih.gov/BLAST/>. See also Altschul, et al. *Nucleic Acids Res.* (1997) 25:3389-3402. Another alignment algorithm is Fasta, available in the Genetics Computing Group (GCG) package, Madison, Wisconsin, USA, a wholly owned subsidiary of Oxford Molecular Group, Inc. Other techniques for alignment are described in Doolittle, *supra*. Preferably, an alignment program that permits gaps in the sequence is utilized to align the sequences. The Smith-Waterman is one type of algorithm that permits gaps in sequence alignments. See *Meth. Mol. Biol.* (1997) 70: 173-187. Also, the GAP program using the Needleman and Wunsch alignment method can be utilized to align sequences. An alternative search strategy uses MPSRCH software, which runs on a MASPAR computer. MPSRCH uses a Smith-Waterman algorithm to score sequences on a massively parallel computer. This approach improves ability to identify sequences that are distantly related matches, and is especially tolerant of small gaps and nucleotide sequence errors. Amino acid sequences encoded by the provided polynucleotides can be used to search both protein and DNA databases.

Incorporated herein by reference are all sequences that have been made public as of the filing date of this application by any of the DNA or protein sequence databases, including the patent databases (e.g., GeneSeq). Also incorporated by reference are those sequences that have been submitted to these databases as of the filing date of the present application but not made public until after the filing date of the present application.

Results of individual and query sequence alignments can be divided into three categories: high similarity, weak similarity, and no similarity. Individual alignment results ranging from high similarity to weak similarity provide a basis for determining polypeptide activity and/or structure. Parameters for categorizing individual results include: percentage of the alignment region length where the strongest alignment is found, percent sequence identity, and p value. The percentage of the alignment region length is calculated by counting the number of residues of the individual sequence found in the region of strongest alignment, e.g., contiguous region of the individual sequence that contains the greatest number of residues that are identical to the residues of the corresponding region of the aligned query sequence. This number is divided by the total residue length of the query sequence to calculate a percentage. For example, a query sequence of 20 amino acid residues might be aligned with a 20 amino acid region of an individual sequence. The individual sequence might be identical to amino acid residues 5, 9-15, and 17-19 of the query sequence. The region of strongest alignment is thus the region stretching from residue 9-19, an 11 amino acid stretch. The percentage of the alignment region length is: 11 (length of the region of strongest alignment) divided by (query sequence length) 20 or 55%.

Percent sequence identity is calculated by counting the number of amino acid matches between the query and individual sequence and dividing total number of matches by the number of residues of the individual sequences found in the region of strongest alignment. Thus, the percent identity in the example above would be 10 matches divided by 11 amino acids, or approximately, 90.9%.

P value is the probability that the alignment was produced by chance. For a single alignment, the p value can be calculated according to Karlin *et al.*, *Proc. Natl. Acad. Sci.* (1990) 87:2264 and Karlin *et al.*, *Proc. Natl. Acad. Sci.* (1993) 90. The p value of multiple alignments using the same query sequence can be calculated using an heuristic approach described in Altschul *et al.*, *Nat. Genet.* (1994) 6:119. Alignment programs such as BLAST program can calculate the p value. See also Altschul *et al.*, *Nucleic Acids Res.* (1997) 25:3389-3402.

Another factor to consider for determining identity or similarity is the location of the similarity or identity. Strong local alignment can indicate similarity even if the length of alignment is short. Sequence identity scattered throughout the length of the query sequence also can indicate a similarity between the query and profile sequences. The boundaries of the region where the sequences align can be determined according to Doolittle, *supra*; BLAST 2.0 (see, *e.g.*, Altschul, *et al.* *Nucleic Acids Res.* (1997) 25:3389-3402) or FAST programs; or by determining the area where sequence identity is highest.

High Similarity. In general, in alignment results considered to be of high similarity, the percent of the alignment region length is typically at least about 55% of total length query sequence; more typically, at least about 58%; even more typically; at least about 60% of the total residue length of the query sequence. Usually, percent length of the alignment region can be as much as about 62%; more usually, as much as about 64%; even more usually, as much as about 66%. Further, for high similarity, the region of alignment, typically, exhibits at least about 75% of sequence identity; more typically, at least about 78%; even more typically; at least about 80% sequence identity. Usually, percent sequence identity can be as much as about 82%; more usually, as much as about 84%; even more usually, as much as about 86%.

The p value is used in conjunction with these methods. If high similarity is found, the query sequence is considered to have high similarity with a profile sequence when the p value is less than or equal to about 10^{-2} ; more usually; less than or equal to about 10^{-3} ; even more usually; less than or equal to about 10^{-4} . More typically, the p value is no more than about 10^{-5} ; more typically; no more than or equal to about 10^{-10} ; even more typically; no more than or equal to about 10^{-15} for the query sequence to be considered high similarity.

Weak Similarity. In general, where alignment results considered to be of weak similarity, there is no minimum percent length of the alignment region nor minimum length of alignment. A better showing of weak similarity is considered when the region of alignment is, typically, at least about 15 amino acid residues in length; more typically, at least about 20; even more typically: at least about 25 amino acid residues in length. Usually, length of the alignment region can be as much as about 30 amino acid residues; more usually, as much as about 40; even more usually, as much as about 60 amino acid residues. Further, for weak similarity, the region of alignment, typically, exhibits at least about 35% of sequence identity; more typically, at least about 40%; even more typically: at least about 45% sequence identity. Usually, percent sequence identity can be as much as about 50%; more usually, as much as about 55%; even more usually, as much as about 60%.

If low similarity is found, the query sequence is considered to have weak similarity with a profile sequence when the p value is usually less than or equal to about 10^{-2} ; more usually: less than or equal to about 10^{-3} ; even more usually; less than or equal to about 10^{-4} . More typically, the p value is no more than about 10^{-5} ; more usually; no more than or equal to about 10^{-10} ; even more usually; no more than or equal to about 10^{-15} for the query sequence to be considered weak similarity.

Similarity Determined by Sequence Identity Alone. Sequence identity alone can be used to determine similarity of a query sequence to an individual sequence and can indicate the activity of the sequence. Such an alignment, preferably, permits gaps to align sequences. Typically, the query sequence is related to the profile sequence if the sequence identity over the entire query sequence is at least about 15%; more typically, at least about 20%; even more typically, at least about 25%; even more typically, at least about 50%. Sequence identity alone as a measure of similarity is most useful when the query sequence is usually, at least 80 residues in length; more usually, 90 residues; even more usually, at least 95 amino acid residues in length. More typically, similarity can be concluded based on sequence identity alone when the query sequence is preferably 100 residues in length; more preferably, 120 residues in length; even more preferably, 150 amino acid residues in length.

Alignments with Profile and Multiple Aligned Sequences. Translations of the provided polynucleotides can be aligned with amino acid profiles that define either protein families or common motifs. Also, translations of the provided polynucleotides can be aligned to multiple sequence alignments (MSA) comprising the polypeptide sequences of members of protein families or motifs. Similarity or identity with profile sequences or MSAs can be used to determine the activity of the gene products (e.g., polypeptides) encoded by the provided polynucleotides or

corresponding cDNA or genes. For example, sequences that show an identity or similarity with a chemokine profile or MSA can exhibit chemokine activities.

Profiles can be designed manually by (1) creating an MSA, which is an alignment of the amino acid sequence of members that belong to the family and (2) constructing a statistical representation of the alignment. Such methods are described, for example, in Birney *et al.*, *Nucl. Acid Res.* (1996) 24(14): 2730-2739. MSAs of some protein families and motifs are publicly available. For example, <http://genome.wustl.edu/Pfam/> includes MSAs of 547 different families and motifs. These MSAs are described also in Sonnhammer *et al.*, *Proteins* (1997) 28: 405-420. Other sources over the world wide web include the site at <http://www.embl-heidelberg.de/argos/ali/ali.html>; alternatively, a message can be sent to ALI@EMBL-HEIDELBERG.DE for the information. A brief description of these MSAs is reported in Pascarella *et al.*, *Prot. Eng.* (1996) 9(3):249-251. Techniques for building profiles from MSAs are described in Sonnhammer *et al.*, *supra*; Birney *et al.*, *supra*; and "Computer Methods for Macromolecular Sequence Analysis," *Methods in Enzymology* (1996) 266. Doolittle, Academic Press, Inc., San Diego, California, USA.

Similarity between a query sequence and a protein family or motif can be determined by (a) comparing the query sequence against the profile and/or (b) aligning the query sequence with the members of the family or motif. Typically, a program such as Searchwise is used to compare the query sequence to the statistical representation of the multiple alignment, also known as a profile (see Birney *et al.*, *supra*). Other techniques to compare the sequence and profile are described in Sonnhammer *et al.*, *supra* and Doolittle, *supra*.

Next, methods described by Feng *et al.*, *J. Mol. Evol.* (1987) 25:351 and Higgins *et al.*, *CABIOS* (1989) 5:151 can be used to align the query sequence with the members of a family or motif, also known as a MSA. Sequence alignments can be generated using any of a variety of software tools. Examples include PileUp, which creates a multiple sequence alignment, and is described in Feng *et al.*, *J. Mol. Evol.* (1987) 25:351. Another method, GAP, uses the alignment method of Needleman *et al.*, *J. Mol. Biol.* (1970) 48:443. GAP is best suited for global alignment of sequences. A third method, BestFit, functions by inserting gaps to maximize the number of matches using the local homology algorithm of Smith *et al.*, *Adv. Appl. Math.* (1981) 2:482. In general, the following factors are used to determine if a similarity between a query sequence and a profile or MSA exists:

- (1) number of conserved residues found in the query sequence, (2) percentage of conserved residues found in the query sequence, (3) number of frameshifts, and (4) spacing between conserved residues.

Some alignment programs that both translate and align sequences can make any number of frameshifts when translating the nucleotide sequence to produce the best alignment. The fewer frameshifts needed to produce an alignment, the stronger the similarity or identity between the query and profile or MSAs. For example, a weak similarity resulting from no frameshifts can be a better

indication of activity or structure of a query sequence. than a strong similarity resulting from two frameshifts. Preferably, three or fewer frameshifts are found in an alignment; more preferably two or fewer frameshifts; even more preferably, one or fewer frameshifts; even more preferably, no frameshifts are found in an alignment of query and profile or MSAs.

5 Conserved residues are those amino acids found at a particular position in all or some of the family or motif members. Alternatively, a position is considered conserved if only a certain class of amino acids is found in a particular position in all or some of the family members. For example, the N-terminal position can contain a positively charged amino acid, such as lysine, arginine, or histidine.

10 Typically, a residue of a polypeptide is conserved when a class of amino acids or a single amino acid is found at a particular position in at least about 40% of all class members; more typically, at least about 50%; even more typically, at least about 60% of the members. Usually, a residue is conserved when a class or single amino acid is found in at least about 70% of the members of a family or motif; more usually, at least about 80%; even more usually, at least about 90%; even
15 more usually, at least about 95%.

A residue is considered conserved when three unrelated amino acids are found at a particular position in the some or all of the members; more usually, two unrelated amino acids. These residues are conserved when the unrelated amino acids are found at particular positions in at least about 40% of all class member; more typically, at least about 50%; even more typically, at least about 60% of
20 the members. Usually, a residue is conserved when a class or single amino acid is found in at least about 70% of the members of a family or motif; more usually, at least about 80%; even more usually, at least about 90%; even more usually, at least about 95%.

A query sequence has similarity to a profile or MSA when the query sequence comprises at least about 25% of the conserved residues of the profile or MSA; more usually, at least about 30%;
25 even more usually; at least about 40%. Typically, the query sequence has a stronger similarity to a profile sequence or MSA when the query sequence comprises at least about 45% of the conserved residues of the profile or MSA; more typically, at least about 50%; even more typically; at least about 55%.

Identification of Secreted & Membrane-Bound Polypeptides

30 Both secreted and membrane-bound polypeptides of the present invention are of particular interest. For example, levels of secreted polypeptides can be assayed in body fluids that are convenient, such as blood, plasma, serum, and other body fluids such as urine, prostatic fluid and semen. Membrane-bound polypeptides are useful for constructing vaccine antigens or inducing an immune response. Such antigens would comprise all or part of the extracellular region of the
35 membrane-bound polypeptides. Because both secreted and membrane-bound polypeptides comprise

a fragment of contiguous hydrophobic amino acids, hydrophobicity predicting algorithms can be used to identify such polypeptides.

A signal sequence is usually encoded by both secreted and membrane-bound polypeptide genes to direct a polypeptide to the surface of the cell. The signal sequence usually comprises a stretch of hydrophobic residues. Such signal sequences can fold into helical structures. Membrane-bound polypeptides typically comprise at least one transmembrane region that possesses a stretch of hydrophobic amino acids that can transverse the membrane. Some transmembrane regions also exhibit a helical structure. Hydrophobic fragments within a polypeptide can be identified by using computer algorithms. Such algorithms include Hopp & Woods, *Proc. Natl. Acad. Sci. USA* (1981) 78:3824-3828; Kyte & Doolittle, *J. Mol. Biol.* (1982) 157: 105-132; and RAOAR algorithm. Degli Esposti *et al.*, *Eur. J. Biochem.* (1990) 190: 207-219.

Another method of identifying secreted and membrane-bound polypeptides is to translate the polynucleotides of the invention in all six frames and determine if at least 8 contiguous hydrophobic amino acids are present. Those translated polypeptides with at least 8: more typically, 10: even more typically, 12 contiguous hydrophobic amino acids are considered to be either a putative secreted or membrane bound polypeptide. Hydrophobic amino acids include alanine, glycine, histidine, isoleucine, leucine, lysine, methionine, phenylalanine, proline, threonine, tryptophan, tyrosine, and valine.

Identification of the Function of an Expression Product of a Full-Length Gene

Ribozymes, antisense constructs, and dominant negative mutants can be used to determine function of the expression product of a gene corresponding to a polynucleotide provided herein. These methods and compositions are particularly useful where the provided novel polynucleotide exhibits no significant or substantial homology to a sequence encoding a gene of known function. Antisense molecules and ribozymes can be constructed from synthetic polynucleotides. Typically, the phosphoramidite method of oligonucleotide synthesis is used. See Beaucage *et al.*, *Tet. Lett.* (1981) 22:1859 and USPN 4,668,777. Automated devices for synthesis are available to create oligonucleotides using this chemistry. Examples of such devices include Biosearch 8600, Models 392 and 394 by Applied Biosystems, a division of Perkin-Elmer Corp., Foster City, California, USA; and Expedite by Perceptive Biosystems, Framingham, Massachusetts, USA. Synthetic RNA, phosphate analog oligonucleotides, and chemically derivatized oligonucleotides can also be produced, and can be covalently attached to other molecules. RNA oligonucleotides can be synthesized, for example, using RNA phosphoramidites. This method can be performed on an automated synthesizer, such as Applied Biosystems, Models 392 and 394, Foster City, California, USA.

Phosphorothioate oligonucleotides can also be synthesized for antisense construction. A sulfurizing reagent, such as tetraethylthiuram disulfide (TETD) in acetonitrile can be used to convert the internucleotide cyanoethyl phosphite to the phosphorothioate triester within 15 minutes at room temperature. TETD replaces the iodine reagent, while all other reagents used for standard phosphoramidite chemistry remain the same. Such a synthesis method can be automated using Models 392 and 394 by Applied Biosystems, for example.

Oligonucleotides of up to 200 nt can be synthesized, more typically, 100 nt, more typically 50 nt; even more typically 30 to 40 nt. These synthetic fragments can be annealed and ligated together to construct larger fragments. See, for example, Sambrook *et al.*, *supra*. Trans-cleaving catalytic RNAs (ribozymes) are RNA molecules possessing endoribonuclease activity. Ribozymes are specifically designed for a particular target, and the target message must contain a specific nucleotide sequence. They are engineered to cleave any RNA species site-specifically in the background of cellular RNA. The cleavage event renders the mRNA unstable and prevents protein expression. Importantly, ribozymes can be used to inhibit expression of a gene of unknown function for the purpose of determining its function in an in vitro or in vivo context, by detecting the phenotypic effect. One commonly used ribozyme motif is the hammerhead, for which the substrate sequence requirements are minimal. Design of the hammerhead ribozyme, as well as therapeutic uses of ribozymes, are disclosed in Usman *et al.*, *Current Opin. Struct. Biol.* (1996) 6:527. Methods for production of ribozymes, including hairpin structure ribozyme fragments, methods of increasing ribozyme specificity, and the like are known in the art.

The hybridizing region of the ribozyme can be modified or can be prepared as a branched structure as described in Horn and Urdea, *Nucleic Acids Res.* (1989) 17:6959. The basic structure of the ribozymes can also be chemically altered in ways familiar to those skilled in the art, and chemically synthesized ribozymes can be administered as synthetic oligonucleotide derivatives modified by monomeric units. In a therapeutic context, liposome mediated delivery of ribozymes improves cellular uptake, as described in Birikh *et al.*, *Eur. J. Biochem.* (1997) 245:1.

Antisense nucleic acids are designed to specifically bind to RNA, resulting in the formation of RNA-DNA or RNA-RNA hybrids, with an arrest of DNA replication, reverse transcription or messenger RNA translation. Antisense polynucleotides based on a selected polynucleotide sequence can interfere with expression of the corresponding gene. Antisense polynucleotides are typically generated within the cell by expression from antisense constructs that contain the antisense strand as the transcribed strand. Antisense polynucleotides based on the disclosed polynucleotides will bind and/or interfere with the translation of mRNA comprising a sequence complementary to the antisense polynucleotide. The expression products of control cells and cells treated with the antisense construct are compared to detect the protein product of the gene corresponding to the

polynucleotide upon which the antisense construct is based. The protein is isolated and identified using routine biochemical methods.

Given the extensive background literature and clinical experience in antisense therapy, one skilled in the art can use selected polynucleotides of the invention as additional potential
5 therapeutics. The choice of polynucleotide can be narrowed by first testing them for binding to "hot spot" regions of the genome of cancerous cells. If a polynucleotide is identified as binding to a "hot spot", testing the polynucleotide as an antisense compound in the corresponding cancer cells is warranted.

As an alternative method for identifying function of the gene corresponding to a
10 polynucleotide disclosed herein, dominant negative mutations are readily generated for corresponding proteins that are active as homomultimers. A mutant polypeptide will interact with wild-type polypeptides (made from the other allele) and form a non-functional multimer. Thus, a mutation is in a substrate-binding domain, a catalytic domain, or a cellular localization domain. Preferably, the mutant polypeptide will be overproduced. Point mutations are made that have such
15 an effect. In addition, fusion of different polypeptides of various lengths to the terminus of a protein can yield dominant negative mutants. General strategies are available for making dominant negative mutants (see, e.g., Herskowitz, *Nature* (1987) 329:219). Such techniques can be used to create loss of function mutations, which are useful for determining protein function.

Polypeptides and Variants Thereof

20 The polypeptides of the invention include those encoded by the disclosed polynucleotides, as well as nucleic acids that, by virtue of the degeneracy of the genetic code, are not identical in sequence to the disclosed polynucleotides. Thus, the invention includes within its scope a polypeptide encoded by a polynucleotide having the sequence of any one of SEQ ID NOS:1-2707 or a variant thereof.

25 In general, the term "polypeptide" as used herein refers to both the full length polypeptide encoded by the recited polynucleotide, the polypeptide encoded by the gene represented by the recited polynucleotide, as well as portions or fragments thereof. "Polypeptides" also includes variants of the naturally occurring proteins, where such variants are homologous or substantially similar to the naturally occurring protein, and can be of an origin of the same or different species as
30 the naturally occurring protein (e.g., human, murine, or some other species that naturally expresses the recited polypeptide, usually a mammalian species). In general, variant polypeptides have a sequence that has at least about 80%, usually at least about 90%, and more usually at least about 98% sequence identity with a differentially expressed polypeptide of the invention, as measured by BLAST 2.0 using the parameters described above. The variant polypeptides can be naturally or non-

naturally glycosylated. *i.e.*, the polypeptide has a glycosylation pattern that differs from the glycosylation pattern found in the corresponding naturally occurring protein.

The invention also encompasses homologs of the disclosed polypeptides (or fragments thereof) where the homologs are isolated from other species. *i.e.* other animal or plant species. 5 where such homologs, usually mammalian species, *e.g.* rodents, such as mice, rats; domestic animals. *e.g.*, horse, cow, dog, cat; and humans. By "homolog" is meant a polypeptide having at least about 35%, usually at least about 40% and more usually at least about 60% amino acid sequence identity to a particular differentially expressed protein as identified above, where sequence identity is determined using the BLAST 2.0 algorithm, with the parameters described *supra*.

10 In general, the polypeptides of the subject invention are provided in a non-naturally occurring environment, *e.g.* are separated from their naturally occurring environment. In certain embodiments, the subject protein is present in a composition that is enriched for the protein as compared to a control. As such, purified polypeptide is provided, where by purified is meant that the protein is present in a composition that is substantially free of non-differentially expressed 15 polypeptides, where by substantially free is meant that less than 90%, usually less than 60% and more usually less than 50% of the composition is made up of non-differentially expressed polypeptides.

Also within the scope of the invention are variants; variants of polypeptides include mutants, fragments, and fusions. Mutants can include amino acid substitutions, additions or 20 deletions. The amino acid substitutions can be conservative amino acid substitutions or substitutions to eliminate non-essential amino acids, such as to alter a glycosylation site, a phosphorylation site or an acetylation site, or to minimize misfolding by substitution or deletion of one or more cysteine residues that are not necessary for function. Conservative amino acid substitutions are those that preserve the general charge, hydrophobicity/ hydrophilicity, and/or steric bulk of the amino acid 25 substituted. Variants can be designed so as to retain or have enhanced biological activity of a particular region of the protein (*e.g.*, a functional domain and/or, where the polypeptide is a member of a protein family, a region associated with a consensus sequence). Selection of amino acid alterations for production of variants can be based upon the accessibility (interior vs. exterior) of the amino acid (see, *e.g.*, Go *et al.*, *Int. J. Peptide Protein Res.* (1980) 15:211), the thermostability of the 30 variant polypeptide (see, *e.g.*, Querol *et al.*, *Prot. Eng.* (1996) 9:265), desired glycosylation sites (see, *e.g.*, Olsen and Thomsen, *J. Gen. Microbiol.* (1991) 137:579), desired disulfide bridges (see, *e.g.*, Clarke *et al.*, *Biochemistry* (1993) 32:4322; and Wakarchuk *et al.*, *Protein Eng.* (1994) 7:1379), desired metal binding sites (see, *e.g.*, Toma *et al.*, *Biochemistry* (1991) 30:97, and Haezerebrouck *et al.*, *Protein Eng.* (1993) 6:643), and desired substitutions with in proline loops (see, *e.g.*, Masul *et*

al., Appl. Env. Microbiol. (1994) 60:3579). Cysteine-depleted muteins can be produced as disclosed in USPN 4,959,314.

5 Variants also include fragments of the polypeptides disclosed herein, particularly biologically active fragments and/or fragments corresponding to functional domains. Fragments of interest will typically be at least about 10 aa to at least about 15 aa in length, usually at least about 50 aa in length, and can be as long as 300 aa in length or longer, but will usually not exceed about 1000 aa in length, where the fragment will have a stretch of amino acids that is identical to a polypeptide encoded by a polynucleotide having a sequence of any SEQ ID NOS:1-2707, or a homolog thereof. The protein variants described herein are encoded by polynucleotides that are within the scope of the invention. The genetic code can be used to select the appropriate codons to construct the corresponding variants.

Computer-Related Embodiments

15 In general, a library of polynucleotides is a collection of sequence information, which information is provided in either biochemical form (*e.g.*, as a collection of polynucleotide molecules), or in electronic form (*e.g.*, as a collection of polynucleotide sequences stored in a computer-readable form, as in a computer system and/or as part of a computer program). The sequence information of the polynucleotides can be used in a variety of ways, *e.g.*, as a resource for gene discovery, as a representation of sequences expressed in a selected cell type (*e.g.*, cell type markers), and/or as markers of a given disease or disease state. In general, a disease marker is a representation of a gene product that is present in all cells affected by disease either at an increased or decreased level relative to a normal cell (*e.g.*, a cell of the same or similar type that is not substantially affected by disease). For example, a polynucleotide sequence in a library can be a polynucleotide that represents an mRNA, polypeptide, or other gene product encoded by the polynucleotide, that is either overexpressed or underexpressed in a breast ductal cell affected by cancer relative to a normal (*i.e.*, substantially disease-free) breast cell.

25 The nucleotide sequence information of the library can be embodied in any suitable form, *e.g.*, electronic or biochemical forms. For example, a library of sequence information embodied in electronic form comprises an accessible computer data file (or, in biochemical form, a collection of nucleic acid molecules) that contains the representative nucleotide sequences of genes that are differentially expressed (*e.g.*, overexpressed or underexpressed) as between, for example, i) a cancerous cell and a normal cell; ii) a cancerous cell and a dysplastic cell; iii) a cancerous cell and a cell affected by a disease or condition other than cancer; iv) a metastatic cancerous cell and a normal cell and/or non-metastatic cancerous cell; v) a malignant cancerous cell and a non-malignant cancerous cell (or a normal cell) and/or vi) a dysplastic cell relative to a normal cell. Other combinations and comparisons of cells affected by various diseases or stages of disease will be

readily apparent to the ordinarily skilled artisan. Biochemical embodiments of the library include a collection of nucleic acids that have the sequences of the genes in the library, where the nucleic acids can correspond to the entire gene in the library or to a fragment thereof, as described in greater detail below.

5 The polynucleotide libraries of the subject invention generally comprise sequence information of a plurality of polynucleotide sequences, where at least one of the polynucleotides has a sequence of any of SEQ ID NOS:1-2707. By plurality is meant at least 2, usually at least 3 and can include up to all of SEQ ID NOS:1-2707. The length and number of polynucleotides in the library will vary with the nature of the library, *e.g.*, if the library is an oligonucleotide array, a cDNA
10 array, a computer database of the sequence information, etc.

Where the library is an electronic library, the nucleic acid sequence information can be present in a variety of media. "Media" refers to a manufacture, other than an isolated nucleic acid molecule, that contains the sequence information of the present invention. Such a manufacture provides the genome sequence or a subset thereof in a form that can be examined by means not
15 directly applicable to the sequence as it exists in a nucleic acid. For example, the nucleotide sequence of the present invention, *e.g.* the nucleic acid sequences of any of the polynucleotides of SEQ ID NOS:1-2707, can be recorded on computer readable media, *e.g.* any medium that can be read and accessed directly by a computer. Such media include, but are not limited to: magnetic storage media, such as a floppy disc, a hard disc storage medium, and a magnetic tape; optical
20 storage media such as CD-ROM; electrical storage media such as RAM and ROM; and hybrids of these categories such as magnetic/optical storage media. One of skill in the art can readily appreciate how any of the presently known computer readable mediums can be used to create a manufacture comprising a recording of the present sequence information. "Recorded" refers to a process for storing information on computer readable medium, using any such methods as known in
25 the art. Any convenient data storage structure can be chosen, based on the means used to access the stored information. A variety of data processor programs and formats can be used for storage, *e.g.* word processing text file, database format, *etc.* In addition to the sequence information, electronic versions of the libraries of the invention can be provided in conjunction or connection with other computer-readable information and/or other types of computer-readable files (*e.g.*, searchable files,
30 executable files, *etc.*, including, but not limited to, for example, search program software, *etc.*).

By providing the nucleotide sequence in computer readable form, the information can be accessed for a variety of purposes. Computer software to access sequence information is publicly available. For example, the gapped BLAST (Altschul *et al. Nucleic Acids Res.* (1997) 25:3389-3402) and BLAZE (Brutlag *et al. Comp. Chem.* (1993) 17:203) search algorithms on a Sybase

system can be used to identify open reading frames (ORFs) within the genome that contain homology to ORFs from other organisms.

As used herein, "a computer-based system" refers to the hardware means, software means, and data storage means used to analyze the nucleotide sequence information of the present invention. The minimum hardware of the computer-based systems of the present invention comprises a central processing unit (CPU), input means, output means, and data storage means. A skilled artisan can readily appreciate that any one of the currently available computer-based system are suitable for use in the present invention. The data storage means can comprise any manufacture comprising a recording of the present sequence information as described above, or a memory access means that can access such a manufacture.

"Search means" refers to one or more programs implemented on the computer-based system, to compare a target sequence or target structural motif, or expression levels of a polynucleotide in a sample, with the stored sequence information. Search means can be used to identify fragments or regions of the genome that match a particular target sequence or target motif. A variety of known algorithms are publicly known and commercially available, *e.g.* MacPattern (EMBL), BLASTN and BLASTX (NCBI). A "target sequence" can be any polynucleotide or amino acid sequence of six or more contiguous nucleotides or two or more amino acids, preferably from about 10 to 100 amino acids or from about 30 to 300 nt. A variety of comparing means can be used to accomplish comparison of sequence information from a sample (*e.g.*, to analyze target sequences, target motifs, or relative expression levels) with the data storage means. A skilled artisan can readily recognize that any one of the publicly available homology search programs can be used as the search means for the computer based systems of the present invention to accomplish comparison of target sequences and motifs. Computer programs to analyze expression levels in a sample and in controls are also known in the art.

A "target structural motif," or "target motif," refers to any rationally selected sequence or combination of sequences in which the sequence(s) are chosen based on a three-dimensional configuration that is formed upon the folding of the target motif, or on consensus sequences of regulatory or active sites. There are a variety of target motifs known in the art. Protein target motifs include, but are not limited to, enzyme active sites and signal sequences. Nucleic acid target motifs include, but are not limited to, hairpin structures, promoter sequences and other expression elements such as binding sites for transcription factors.

A variety of structural formats for the input and output means can be used to input and output the information in the computer-based systems of the present invention. One format for an output means ranks the relative expression levels of different polynucleotides. Such presentation

provides a skilled artisan with a ranking of relative expression levels to determine a gene expression profile. .

As discussed above, the "library" of the invention also encompasses biochemical libraries of the polynucleotides of SEQ ID NOS:1-2707 . *e.g.*, collections of nucleic acids representing the provided polynucleotides. The biochemical libraries can take a variety of forms, *e.g.*, a solution of cDNAs, a pattern of probe nucleic acids stably associated with a surface of a solid support (*i.e.*, an array) and the like. Of particular interest are nucleic acid arrays in which one or more of SEQ ID NOS:1-2707 is represented on the array. By array is meant an article of manufacture that has at least a substrate with at least two distinct nucleic acid targets on one of its surfaces, where the number of distinct nucleic acids can be considerably higher, typically being at least 10 nt, usually at least 20 nt and often at least 25 nt. A variety of different array formats have been developed and are known to those of skill in the art. The arrays of the subject invention find use in a variety of applications, including gene expression analysis, drug screening, mutation analysis and the like, as disclosed in the above-listed exemplary patent documents.

In addition to the above nucleic acid libraries, analogous libraries of polypeptides are also provided, where the polypeptides of the library will represent at least a portion of the polypeptides encoded by SEQ ID NOS:1-2707.

Utilities

Use of Polynucleotide Probes in Mapping, and in Tissue Profiling

Polynucleotide probes, generally comprising at least 12 contiguous nt of a polynucleotide as shown in the Sequence Listing, are used for a variety of purposes, such as chromosome mapping of the polynucleotide and detection of transcription levels. Additional disclosure about preferred regions of the disclosed polynucleotide sequences is found in the Examples. A probe that hybridizes specifically to a polynucleotide disclosed herein should provide a detection signal at least 5-, 10-, or 20-fold higher than the background hybridization provided with other unrelated sequences.

Detection of Expression Levels. Nucleotide probes are used to detect expression of a gene corresponding to the provided polynucleotide. In Northern blots, mRNA is separated electrophoretically and contacted with a probe. A probe is detected as hybridizing to an mRNA species of a particular size. The amount of hybridization is quantitated to determine relative amounts of expression, for example under a particular condition. Probes are used for *in situ* hybridization to cells to detect expression. Probes can also be used *in vivo* for diagnostic detection of hybridizing sequences. Probes are typically labeled with a radioactive isotope. Other types of detectable labels can be used such as chromophores, fluors, and enzymes. Other examples of nucleotide hybridization assays are described in WO92/02526 and USPN 5,124,246.

Alternatively, the Polymerase Chain Reaction (PCR) is another means for detecting small amounts of target nucleic acids (see, e.g., Mullis *et al.*, *Meth. Enzymol.* (1987) 155:335; USPN 4,683,195; and USPN 4,683,202). Two primer polynucleotides nucleotides that hybridize with the target nucleic acids are used to prime the reaction. The primers can be composed of sequence within or 3' and 5' to the polynucleotides of the Sequence Listing. Alternatively, if the primers are 3' and 5' to these polynucleotides, they need not hybridize to them or the complements. After amplification of the target with a thermostable polymerase, the amplified target nucleic acids can be detected by methods known in the art, e.g., Southern blot. mRNA or cDNA can also be detected by traditional blotting techniques (e.g., Southern blot, Northern blot, etc.) described in Sambrook *et al.*, "Molecular Cloning: A Laboratory Manual" (New York, Cold Spring Harbor Laboratory, 1989) (e.g., without PCR amplification). In general, mRNA or cDNA generated from mRNA using a polymerase enzyme can be purified and separated using gel electrophoresis, and transferred to a solid support, such as nitrocellulose. The solid support is exposed to a labeled probe, washed to remove any unhybridized probe, and duplexes containing the labeled probe are detected.

Mapping. Polynucleotides of the present invention can be used to identify a chromosome on which the corresponding gene resides. Such mapping can be useful in identifying the function of the polynucleotide-related gene by its proximity to other genes with known function. Function can also be assigned to the polynucleotide-related gene when particular syndromes or diseases map to the same chromosome. For example, use of polynucleotide probes in identification and quantification of nucleic acid sequence aberrations is described in USPN 5,783,387. An exemplary mapping method is fluorescence in situ hybridization (FISH), which facilitates comparative genomic hybridization to allow total genome assessment of changes in relative copy number of DNA sequences (see, e.g., Valdes *et al.*, *Methods in Molecular Biology* (1997) 68:1). Polynucleotides can also be mapped to particular chromosomes using, for example, radiation hybrids or chromosome-specific hybrid panels. See Leach *et al.*, *Advances in Genetics*, (1995) 33:63-99; Walter *et al.*, *Nature Genetics* (1994) 7:22; Walter and Goodfellow, *Trends in Genetics* (1992) 9:352. Panels for radiation hybrid mapping are available from Research Genetics, Inc., Huntsville, Alabama, USA. Databases for markers using various panels are available via the world wide web at <http://F/shgc-www.stanford.edu>; and <http://www-genome.wi.mit.edu/cgi-bin/contig/rhmapper.pl>. The statistical program RHMAP can be used to construct a map based on the data from radiation hybridization with a measure of the relative likelihood of one order versus another. RHMAP is available via the world wide web at <http://www.sph.umich.edu/group/statgen/software>. In addition, commercial programs are available for identifying regions of chromosomes commonly associated with disease, such as cancer.

Tissue Typing or Profiling. Expression of specific mRNA corresponding to the provided polynucleotides can vary in different cell types and can be tissue-specific. This variation of mRNA levels in different cell types can be exploited with nucleic acid probe assays to determine tissue types. For example, PCR, branched DNA probe assays, or blotting techniques utilizing nucleic acid probes substantially identical or complementary to polynucleotides listed in the Sequence Listing can determine the presence or absence of the corresponding cDNA or mRNA.

Tissue typing can be used to identify the developmental organ or tissue source of a metastatic lesion by identifying the expression of a particular marker of that organ or tissue. If a polynucleotide is expressed only in a specific tissue type, and a metastatic lesion is found to express that polynucleotide, then the developmental source of the lesion has been identified. Expression of a particular polynucleotide can be assayed by detection of either the corresponding mRNA or the protein product. As would be readily apparent to any forensic scientist, the sequences disclosed herein are useful in differentiating human tissue from non-human tissue. In particular, these sequences are useful to differentiate human tissue from bird, reptile, and amphibian tissue, for example.

Use of Polymorphisms. A polynucleotide of the invention can be used in forensics, genetic analysis, mapping, and diagnostic applications where the corresponding region of a gene is polymorphic in the human population. Any means for detecting a polymorphism in a gene can be used, including, but not limited to electrophoresis of protein polymorphic variants, differential sensitivity to restriction enzyme cleavage, and hybridization to allele-specific probes.

Antibody Production

Expression products of a polynucleotide of the invention, as well as the corresponding mRNA, cDNA, or complete gene, can be prepared and used for raising antibodies for experimental, diagnostic, and therapeutic purposes. For polynucleotides to which a corresponding gene has not been assigned, this provides an additional method of identifying the corresponding gene. The polynucleotide or related cDNA is expressed as described above, and antibodies are prepared. These antibodies are specific to an epitope on the polypeptide encoded by the polynucleotide, and can precipitate or bind to the corresponding native protein in a cell or tissue preparation or in a cell-free extract of an in vitro expression system.

Methods for production of antibodies that specifically bind a selected antigen are well known in the art. Immunogens for raising antibodies can be prepared by mixing a polypeptide encoded by a polynucleotide of the invention with an adjuvant, and/or by making fusion proteins with larger immunogenic proteins. Polypeptides can also be covalently linked to other larger immunogenic proteins, such as keyhole limpet hemocyanin. Immunogens are typically administered intradermally, subcutaneously, or intramuscularly to experimental animals such as rabbits, sheep,

and mice, to generate antibodies. Monoclonal antibodies can be generated by isolating spleen cells and fusing myeloma cells to form hybridomas. Alternatively, the selected polynucleotide is administered directly, such as by intramuscular injection, and expressed in vivo. The expressed protein generates a variety of protein-specific immune responses, including production of antibodies, comparable to administration of the protein.

Preparations of polyclonal and monoclonal antibodies specific for polypeptides encoded by a selected polynucleotide are made using standard methods known in the art. The antibodies specifically bind to epitopes present in the polypeptides encoded by polynucleotides disclosed in the Sequence Listing. Typically, at least 6, 8, 10, or 12 contiguous amino acids are required to form an epitope. Epitopes that involve non-contiguous amino acids may require a longer polypeptide, e.g., at least 15, 25, or 50 amino acids. Antibodies that specifically bind to human polypeptides encoded by the provided polypeptides should provide a detection signal at least 5-, 10-, or 20-fold higher than a detection signal provided with other proteins when used in Western blots or other immunochemical assays. Preferably, antibodies that specifically bind to polypeptides of the invention do not bind to other proteins in immunochemical assays at detectable levels and can immunoprecipitate the specific polypeptide from solution.

The invention also contemplates naturally occurring antibodies specific for a polypeptide of the invention. For example, serum antibodies to a polypeptide of the invention in a human population can be purified by methods well known in the art, e.g., by passing antiserum over a column to which the corresponding selected polypeptide or fusion protein is bound. The bound antibodies can then be eluted from the column, for example using a buffer with a high salt concentration.

In addition to the antibodies discussed above, the invention also contemplates genetically engineered antibodies, antibody derivatives (e.g., single chain antibodies, antibody fragments (e.g., Fab, etc.)), according to methods well known in the art.

Polynucleotides or Arrays for Diagnostics

Polynucleotide arrays provide a high throughput technique that can assay a large number of polynucleotide sequences in a sample. This technology can be used as a diagnostic and as a tool to test for differential expression, e.g., to determine function of an encoded protein. Arrays can be created by spotting polynucleotide probes onto a substrate (e.g., glass, nitrocellulose, etc.) in a two-dimensional matrix or array having bound probes. The probes can be bound to the substrate by either covalent bonds or by non-specific interactions, such as hydrophobic interactions. Samples of polynucleotides can be detectably labeled (e.g., using radioactive or fluorescent labels) and then hybridized to the probes. Double stranded polynucleotides, comprising the labeled sample polynucleotides bound to probe polynucleotides, can be detected once the unbound portion of the

sample is washed away. Techniques for constructing arrays and methods of using these arrays are described in EP 799 897; WO 97/29212; WO 97/27317; EP 785 280; WO 97/02357; USPN 5,593,839; USPN 5,578,832; EP 728 520; USPN 5,599,695; EP 721 016; USPN 5,556,752; WO 95/22058; and USPN 5,631,734. Arrays can be used to, for example, examine differential
5 expression of genes and can be used to determine gene function. For example, arrays can be used to detect differential expression of a polynucleotide between a test cell and control cell (e.g., cancer cells and normal cells). For example, high expression of a particular message in a cancer cell, which is not observed in a corresponding normal cell, can indicate a cancer specific gene product. Exemplary uses of arrays are further described in, for example, Pappalarado *et al.*, *Sem. Radiation*
10 *Oncol.* (1998) 8:217; and Ramsay *Nature Biotechnol.* (1998) 16:40.

Differential Expression in Diagnosis

The polynucleotides of the invention can also be used to detect differences in expression levels between two cells, e.g., as a method to identify abnormal or diseased tissue in a human. For polynucleotides corresponding to profiles of protein families, the choice of tissue can be selected
15 according to the putative biological function. In general, the expression of a gene corresponding to a specific polynucleotide is compared between a first tissue that is suspected of being diseased and a second, normal tissue of the human. The tissue suspected of being abnormal or diseased can be derived from a different tissue type of the human, but preferably it is derived from the same tissue type; for example an intestinal polyp or other abnormal growth should be compared with normal
20 intestinal tissue. The normal tissue can be the same tissue as that of the test sample, or any normal tissue of the patient, especially those that express the polynucleotide-related gene of interest (e.g., brain, thymus, testis, heart, prostate, placenta, spleen, small intestine, skeletal muscle, pancreas, and the mucosal lining of the colon). A difference between the polynucleotide-related gene, mRNA, or protein in the two tissues which are compared, for example in molecular weight, amino acid or
25 nucleotide sequence, or relative abundance, indicates a change in the gene, or a gene which regulates it, in the tissue of the human that was suspected of being diseased. Examples of detection of differential expression and its use in diagnosis of cancer are described in USPNs 5,688,641 and 5,677,125.

A genetic predisposition to disease in a human can also be detected by comparing
30 expression levels of an mRNA or protein corresponding to a polynucleotide of the invention in a fetal tissue with levels associated in normal fetal tissue. Fetal tissues that are used for this purpose include, but are not limited to, amniotic fluid, chorionic villi, blood, and the blastomere of an in vitro-fertilized embryo. The comparable normal polynucleotide-related gene is obtained from any tissue. The mRNA or protein is obtained from a normal tissue of a human in which the
35 polynucleotide-related gene is expressed. Differences such as alterations in the nucleotide sequence

or size of the same product of the fetal polynucleotide-related gene or mRNA, or alterations in the molecular weight, amino acid sequence, or relative abundance of fetal protein, can indicate a germline mutation in the polynucleotide-related gene of the fetus, which indicates a genetic predisposition to disease. In general, diagnostic, prognostic, and other methods of the invention
5 based on differential expression involve detection of a level or amount of a gene product, particularly a differentially expressed gene product, in a test sample obtained from a patient suspected of having or being susceptible to a disease (*e.g.*, breast cancer, lung cancer, colon cancer and/or metastatic forms thereof), and comparing the detected levels to those levels found in normal cells (*e.g.*, cells substantially unaffected by cancer) and/or other control cells (*e.g.*, to differentiate a
10 cancerous cell from a cell affected by dysplasia). Furthermore, the severity of the disease can be assessed by comparing the detected levels of a differentially expressed gene product with those levels detected in samples representing the levels of differentially gene product associated with varying degrees of severity of disease. It should be noted that use of the term "diagnostic" herein is not necessarily meant to exclude "prognostic" or "prognosis," but rather is used as a matter of
15 convenience.

The term "differentially expressed gene" is generally intended to encompass a polynucleotide that can, for example, include an open reading frame encoding a gene product (*e.g.*, a polypeptide), and/or introns of such genes and adjacent 5' and 3' non-coding nucleotide sequences involved in the regulation of expression, up to about 20 kb beyond the coding region, but possibly
20 further in either direction. The gene can be introduced into an appropriate vector for extrachromosomal maintenance or for integration into a host genome. In general, a difference in expression level associated with a decrease in expression level of at least about 25%, usually at least about 50% to 75%, more usually at least about 90% or more is indicative of a differentially expressed gene of interest, *i.e.*, a gene that is underexpressed or down-regulated in the test sample
25 relative to a control sample. Furthermore, a difference in expression level associated with an increase in expression of at least about 25%, usually at least about 50% to 75%, more usually at least about 90% and can be at least about 1 1/2-fold, usually at least about 2-fold to about 10-fold, and can be about 100-fold to about 1,000-fold increase relative to a control sample is indicative of a differentially expressed gene of interest, *i.e.*, an overexpressed or up-regulated gene.

30 "Differentially expressed polynucleotide" as used herein means a nucleic acid molecule (RNA or DNA) comprising a sequence that represents a differentially expressed gene, *e.g.*, the differentially expressed polynucleotide comprises a sequence (*e.g.*, an open reading frame encoding a gene product) that uniquely identifies a differentially expressed gene so that detection of the differentially expressed polynucleotide in a sample is correlated with the presence of a differentially
35 expressed gene in a sample. "Differentially expressed polynucleotides" is also meant to encompass

fragments of the disclosed polynucleotides, *e.g.*, fragments retaining biological activity, as well as nucleic acids homologous, substantially similar, or substantially identical (*e.g.*, having about 90% sequence identity) to the disclosed polynucleotides.

"Diagnosis" as used herein generally includes determination of a subject's susceptibility to a disease or disorder, determination as to whether a subject is presently affected by a disease or disorder, as well as to the prognosis of a subject affected by a disease or disorder (*e.g.*, identification of pre-metastatic or metastatic cancerous states, stages of cancer, or responsiveness of cancer to therapy). The present invention particularly encompasses diagnosis of subjects in the context of breast cancer (*e.g.*, carcinoma in situ (*e.g.*, ductal carcinoma in situ), estrogen receptor (ER)-positive breast cancer, ER-negative breast cancer, or other forms and/or stages of breast cancer), lung cancer (*e.g.*, small cell carcinoma, non-small cell carcinoma, mesothelioma, and other forms and/or stages of lung cancer), and colon cancer (*e.g.*, adenomatous polyp, colorectal carcinoma, and other forms and/or stages of colon cancer).

"Sample" or "biological sample" as used throughout here are generally meant to refer to samples of biological fluids or tissues, particularly samples obtained from tissues, especially from cells of the type associated with the disease for which the diagnostic application is designed (*e.g.*, ductal adenocarcinoma), and the like. "Samples" is also meant to encompass derivatives and fractions of such samples (*e.g.*, cell lysates). Where the sample is solid tissue, the cells of the tissue can be dissociated or tissue sections can be analyzed.

Methods of the subject invention useful in diagnosis or prognosis typically involve comparison of the abundance of a selected differentially expressed gene product in a sample of interest with that of a control to determine any relative differences in the expression of the gene product, where the difference can be measured qualitatively and/or quantitatively. Quantitation can be accomplished, for example, by comparing the level of expression product detected in the sample with the amounts of product present in a standard curve. A comparison can be made visually: by using a technique such as densitometry, with or without computerized assistance: by preparing a representative library of cDNA clones of mRNA isolated from a test sample, sequencing the clones in the library to determine that number of cDNA clones corresponding to the same gene product, and analyzing the number of clones corresponding to that same gene product relative to the number of clones of the same gene product in a control sample; or by using an array to detect relative levels of hybridization to a selected sequence or set of sequences, and comparing the hybridization pattern to that of a control. The differences in expression are then correlated with the presence or absence of an abnormal expression pattern. A variety of different methods for determining the nucleic acid abundance in a sample are known to those of skill in the art (see, *e.g.*, WO 97/27317). In general, diagnostic assays of the invention involve detection of a gene product of a the polynucleotide

sequence (e.g., mRNA or polypeptide) that corresponds to a sequence of SEQ ID NOS:1-2707. The patient from whom the sample is obtained can be apparently healthy, susceptible to disease (e.g., as determined by family history or exposure to certain environmental factors), or can already be identified as having a condition in which altered expression of a gene product of the invention is implicated.

Diagnosis can be determined based on detected gene product expression levels of a gene product encoded by at least one, preferably at least two or more, at least 3 or more, or at least 4 or more of the polynucleotides having a sequence set forth in SEQ ID NOS:1-2707, and can involve detection of expression of genes corresponding to all of SEQ ID NOS:1-2707 and/or additional sequences that can serve as additional diagnostic markers and/or reference sequences. Where the diagnostic method is designed to detect the presence or susceptibility of a patient to cancer, the assay preferably involves detection of a gene product encoded by a gene corresponding to a polynucleotide that is differentially expressed in cancer. Examples of such differentially expressed polynucleotides are described in the Examples below. Given the provided polynucleotides and information regarding their relative expression levels provided herein, assays using such polynucleotides and detection of their expression levels in diagnosis and prognosis will be readily apparent to the ordinarily skilled artisan.

Any of a variety of detectable labels can be used in connection with the various embodiments of the diagnostic methods of the invention. Suitable detectable labels include fluorochromes, (e.g. fluorescein isothiocyanate (FITC), rhodamine, Texas Red, phycoerythrin, allophycocyanin, 6-carboxyfluorescein (6-FAM), 2',7'-dimethoxy-4',5'-dichloro-6-carboxyfluorescein, 6-carboxy-X-rhodamine (ROX), 6-carboxy-2',4',7',4,7-hexachlorofluorescein (HEX), 5-carboxyfluorescein (5-FAM) or N,N,N',N'-tetramethyl-6-carboxyrhodamine (TAMRA)), radioactive labels, (e.g. ^{32}P , ^{35}S , ^3H , etc.), and the like. The detectable label can involve a two stage systems (e.g., biotin-avidin, hapten-anti-hapten antibody, etc.)

Reagents specific for the polynucleotides and polypeptides of the invention, such as antibodies and nucleotide probes, can be supplied in a kit for detecting the presence of an expression product in a biological sample. The kit can also contain buffers or labeling components, as well as instructions for using the reagents to detect and quantify expression products in the biological sample. Exemplary embodiments of the diagnostic methods of the invention are described below in more detail.

Polypeptide detection in diagnosis. In one embodiment, the test sample is assayed for the level of a differentially expressed polypeptide. Diagnosis can be accomplished using any of a number of methods to determine the absence or presence or altered amounts of the differentially expressed polypeptide in the test sample. For example, detection can utilize staining of cells or

histological sections with labeled antibodies, performed in accordance with conventional methods. Cells can be permeabilized to stain cytoplasmic molecules. In general, antibodies that specifically bind a differentially expressed polypeptide of the invention are added to a sample, and incubated for a period of time sufficient to allow binding to the epitope, usually at least about 10 minutes. The antibody can be detectably labeled for direct detection (e.g., using radioisotopes, enzymes, 5 fluorescers, chemilumescers, and the like), or can be used in conjunction with a second stage antibody or reagent to detect binding (e.g., biotin with horseradish peroxidase-conjugated avidin, a secondary antibody conjugated to a fluorescent compound, e.g. fluorescein, rhodamine, Texas red, etc.). The absence or presence of antibody binding can be determined by various methods, including 10 flow cytometry of dissociated cells, microscopy, radiography, scintillation counting, etc. Any suitable alternative methods can of qualitative or quantitative detection of levels or amounts of differentially expressed polypeptide can be used, for example ELISA, western blot, immunoprecipitation, radioimmunoassay, etc.

mRNA detection. The diagnostic methods of the invention can also or alternatively involve 15 detection of mRNA encoded by a gene corresponding to a differentially expressed polynucleotides of the invention. Any suitable qualitative or quantitative methods known in the art for detecting specific mRNAs can be used. mRNA can be detected by, for example, *in situ* hybridization in tissue sections, by reverse transcriptase-PCR, or in Northern blots containing poly A+ mRNA. One of skill in the art can readily use these methods to determine differences in the size or amount of mRNA 20 transcripts between two samples. mRNA expression levels in a sample can also be determined by generation of a library of expressed sequence tags (ESTs) from the sample, where the EST library is representative of sequences present in the sample (Adams, et al., (1991) *Science* 252:1651). Enumeration of the relative representation of ESTs within the library can be used to approximate the relative representation of the gene transcript within the starting sample. The results of EST analysis 25 of a test sample can then be compared to EST analysis of a reference sample to determine the relative expression levels of a selected polynucleotide, particularly a polynucleotide corresponding to one or more of the differentially expressed genes described herein. Alternatively, gene expression in a test sample can be performed using serial analysis of gene expression (SAGE) methodology (e.g., Velculescu et al., *Science* (1995) 270:484) or differential display (DD) methodology (see, e.g., 30 U.S. 5,776,683; and U.S. 5,807,680).

Alternatively, gene expression can be analyzed using hybridization analysis. Oligonucleotides or cDNA can be used to selectively identify or capture DNA or RNA of specific sequence composition, and the amount of RNA or cDNA hybridized to a known capture sequence determined qualitatively or quantitatively, to provide information about the relative representation of 35 a particular message within the pool of cellular messages in a sample. Hybridization analysis can be

designed to allow for concurrent screening of the relative expression of hundreds to thousands of genes by using, for example, array-based technologies having high density formats, including filters, microscope slides, or microchips, or solution-based technologies that use spectroscopic analysis (e.g., mass spectrometry). One exemplary use of arrays in the diagnostic methods of the invention is described below in more detail.

Use of a single gene in diagnostic applications. The diagnostic methods of the invention can focus on the expression of a single differentially expressed gene. For example, the diagnostic method can involve detecting a differentially expressed gene, or a polymorphism of such a gene (e.g., a polymorphism in an coding region or control region), that is associated with disease. Disease-associated polymorphisms can include deletion or truncation of the gene, mutations that alter expression level and/or affect activity of the encoded protein, etc.

A number of methods are available for analyzing nucleic acids for the presence of a specific sequence, e.g. a disease associated polymorphism. Where large amounts of DNA are available, genomic DNA is used directly. Alternatively, the region of interest is cloned into a suitable vector and grown in sufficient quantity for analysis. Cells that express a differentially expressed gene can be used as a source of mRNA, which can be assayed directly or reverse transcribed into cDNA for analysis. The nucleic acid can be amplified by conventional techniques, such as the polymerase chain reaction (PCR), to provide sufficient amounts for analysis, and a detectable label can be included in the amplification reaction (e.g., using a detectably labeled primer or detectably labeled oligonucleotides) to facilitate detection. Alternatively, various methods are also known in the art that utilize oligonucleotide ligation as a means of detecting polymorphisms, see e.g., Riley *et al.*, *Nucl. Acids Res.* (1990) 18:2887; and Delahunty *et al.*, *Am. J. Hum. Genet.* (1996) 58:1239.

The amplified or cloned sample nucleic acid can be analyzed by one of a number of methods known in the art. The nucleic acid can be sequenced by dideoxy or other methods, and the sequence of bases compared to a selected sequence, e.g., to a wild-type sequence. Hybridization with the polymorphic or variant sequence can also be used to determine its presence in a sample (e.g., by Southern blot, dot blot, etc.). The hybridization pattern of a polymorphic or variant sequence and a control sequence to an array of oligonucleotide probes immobilized on a solid support, as described in US 5,445,934, or in WO 95/35505, can also be used as a means of identifying polymorphic or variant sequences associated with disease. Single strand conformational polymorphism (SSCP) analysis, denaturing gradient gel electrophoresis (DGGE), and heteroduplex analysis in gel matrices are used to detect conformational changes created by DNA sequence variation as alterations in electrophoretic mobility. Alternatively, where a polymorphism creates or destroys a recognition site for a restriction endonuclease, the sample is digested with that endonuclease, and the products size

fractionated to determine whether the fragment was digested. Fractionation is performed by gel or capillary electrophoresis, particularly acrylamide or agarose gels.

Screening for mutations in a gene can be based on the functional or antigenic characteristics of the protein. Protein truncation assays are useful in detecting deletions that can affect the biological activity of the protein. Various immunoassays designed to detect polymorphisms in proteins can be used in screening. Where many diverse genetic mutations lead to a particular disease phenotype, functional protein assays have proven to be effective screening tools. The activity of the encoded protein can be determined by comparison with the wild-type protein.

Pattern matching in diagnosis using arrays. In another embodiment, the diagnostic and/or prognostic methods of the invention involve detection of expression of a selected set of genes in a test sample to produce a test expression pattern (TEP). The TEP is compared to a reference expression pattern (REP), which is generated by detection of expression of the selected set of genes in a reference sample (e.g., a positive or negative control sample). The selected set of genes includes at least one of the genes of the invention, which genes correspond to the polynucleotide sequences of SEQ ID NOS:1-2707. Of particular interest is a selected set of genes that includes gene differentially expressed in the disease for which the test sample is to be screened.

"Reference sequences" or "reference polynucleotides" as used herein in the context of differential gene expression analysis and diagnosis/prognosis refers to a selected set of polynucleotides, which selected set includes at least one or more of the differentially expressed polynucleotides described herein. A plurality of reference sequences, preferably comprising positive and negative control sequences, can be included as reference sequences. Additional suitable reference sequences are found in GenBank, Unigene, and other nucleotide sequence databases (including, e.g., expressed sequence tag (EST), partial, and full-length sequences).

"Reference array" means an array having reference sequences for use in hybridization with a sample, where the reference sequences include all, at least one of, or any subset of the differentially expressed polynucleotides described herein. Usually such an array will include at least 3 different reference sequences, and can include any one or all of the provided differentially expressed sequences. Arrays of interest can further comprise sequences, including polymorphisms, of other genetic sequences, particularly other sequences of interest for screening for a disease or disorder (e.g., cancer, dysplasia, or other related or unrelated diseases, disorders, or conditions). The oligonucleotide sequence on the array will usually be at least about 12 nt in length, and can be of about the length of the provided sequences, or can extend into the flanking regions to generate fragments of 100 nt to 200 nt in length or more. Reference arrays can be produced according to any suitable methods known in the art. For example, methods of producing large arrays of oligonucleotides are described in U.S. 5,134,854, and U.S. 5,445,934 using light-directed synthesis

techniques. Using a computer controlled system, a heterogeneous array of monomers is converted, through simultaneous coupling at a number of reaction sites, into a heterogeneous array of polymers. Alternatively, microarrays are generated by deposition of pre-synthesized oligonucleotides onto a solid substrate, for example as described in PCT published application no. WO 95/35505.

5 A "reference expression pattern" or "REP" as used herein refers to the relative levels of expression of a selected set of genes, particularly of differentially expressed genes, that is associated with a selected cell type, *e.g.*, a normal cell, a cancerous cell, a cell exposed to an environmental stimulus, and the like. A "test expression pattern" or "TEP" refers to relative levels of expression of a selected set of genes, particularly of differentially expressed genes, in a test sample (*e.g.*, a cell of
10 unknown or suspected disease state, from which mRNA is isolated).

REPs can be generated in a variety of ways according to methods well known in the art. For example, REPs can be generated by hybridizing a control sample to an array having a selected set of polynucleotides (particularly a selected set of differentially expressed polynucleotides), acquiring the hybridization data from the array, and storing the data in a format that allows for ready
15 comparison of the REP with a TEP. Alternatively, all expressed sequences in a control sample can be isolated and sequenced, *e.g.*, by isolating mRNA from a control sample, converting the mRNA into cDNA, and sequencing the cDNA. The resulting sequence information roughly or precisely reflects the identity and relative number of expressed sequences in the sample. The sequence information can then be stored in a format (*e.g.*, a computer-readable format) that allows for ready
20 comparison of the REP with a TEP. The REP can be normalized prior to or after data storage, and/or can be processed to selectively remove sequences of expressed genes that are of less interest or that might complicate analysis (*e.g.*, some or all of the sequences associated with housekeeping genes can be eliminated from REP data).

TEPs can be generated in a manner similar to REPs, *e.g.*, by hybridizing a test sample to an
25 array having a selected set of polynucleotides, particularly a selected set of differentially expressed polynucleotides, acquiring the hybridization data from the array, and storing the data in a format that allows for ready comparison of the TEP with a REP. The REP and TEP to be used in a comparison can be generated simultaneously, or the TEP can be compared to previously generated and stored REPs.

30 In one embodiment of the invention, comparison of a TEP with a REP involves hybridizing a test sample with a reference array, where the reference array has one or more reference sequences for use in hybridization with a sample. The reference sequences include all, at least one of, or any subset of the differentially expressed polynucleotides described herein. Hybridization data for the test sample is acquired, the data normalized, and the produced TEP compared with a REP generated
35 using an array having the same or similar selected set of differentially expressed polynucleotides.

Probes that correspond to sequences differentially expressed between the two samples will show decreased or increased hybridization efficiency for one of the samples relative to the other.

Methods for collection of data from hybridization of samples with a reference arrays are well known in the art. For example, the polynucleotides of the reference and test samples can be generated using a detectable fluorescent label, and hybridization of the polynucleotides in the samples detected by scanning the microarrays for the presence of the detectable label using, for example, a microscope and light source for directing light at a substrate. A photon counter detects fluorescence from the substrate, while an x-y translation stage varies the location of the substrate. A confocal detection device that can be used in the subject methods is described in USPN 5,631,734. A scanning laser microscope is described in Shalon et al., *Genome Res.* (1996) 6:639. A scan, using the appropriate excitation line, is performed for each fluorophore used. The digital images generated from the scan are then combined for subsequent analysis. For any particular array element, the ratio of the fluorescent signal from one sample (e.g., a test sample) is compared to the fluorescent signal from another sample (e.g., a reference sample), and the relative signal intensity determined.

Methods for analyzing the data collected from hybridization to arrays are well known in the art. For example, where detection of hybridization involves a fluorescent label, data analysis can include the steps of determining fluorescent intensity as a function of substrate position from the data collected, removing outliers, i.e. data deviating from a predetermined statistical distribution, and calculating the relative binding affinity of the targets from the remaining data. The resulting data can be displayed as an image with the intensity in each region varying according to the binding affinity between targets and probes.

In general, the test sample is classified as having a gene expression profile corresponding to that associated with a disease or non-disease state by comparing the TEP generated from the test sample to one or more REPs generated from reference samples (e.g., from samples associated with cancer or specific stages of cancer, dysplasia, samples affected by a disease other than cancer, normal samples, etc.). The criteria for a match or a substantial match between a TEP and a REP include expression of the same or substantially the same set of reference genes, as well as expression of these reference genes at substantially the same levels (e.g., no significant difference between the samples for a signal associated with a selected reference sequence after normalization of the samples, or at least no greater than about 25% to about 40% difference in signal strength for a given reference sequence. In general, a pattern match between a TEP and a REP includes a match in expression, preferably a match in qualitative or quantitative expression level, of at least one of, all or any subset of the differentially expressed genes of the invention.

Pattern matching can be performed manually, or can be performed using a computer program. Methods for preparation of substrate matrices (e.g., arrays), design of oligonucleotides for use with such matrices, labeling of probes, hybridization conditions, scanning of hybridized matrices, and analysis of patterns generated, including comparison analysis, are described in, for example, U.S. 5,800,992.

Diagnosis, Prognosis and Management of Cancer

The polynucleotides of the invention and their gene products are of particular interest as genetic or biochemical markers (e.g., in blood or tissues) that will detect the earliest changes along the carcinogenesis pathway and/or to monitor the efficacy of various therapies and preventive interventions. For example, the level of expression of certain polynucleotides can be indicative of a poorer prognosis, and therefore warrant more aggressive chemo- or radio-therapy for a patient or vice versa. The correlation of novel surrogate tumor specific features with response to treatment and outcome in patients can define prognostic indicators that allow the design of tailored therapy based on the molecular profile of the tumor. These therapies include antibody targeting and gene therapy. Determining expression of certain polynucleotides and comparison of a patient's profile with known expression in normal tissue and variants of the disease allows a determination of the best possible treatment for a patient, both in terms of specificity of treatment and in terms of comfort level of the patient. Surrogate tumor markers, such as polynucleotide expression, can also be used to better classify, and thus diagnose and treat, different forms and disease states of cancer. Two classifications widely used in oncology that can benefit from identification of the expression levels of the polynucleotides of the invention are staging of the cancerous disorder, and grading the nature of the cancerous tissue.

The polynucleotides of the invention can be useful to monitor patients having or susceptible to cancer to detect potentially malignant events at a molecular level before they are detectable at a gross morphological level. Furthermore, a polynucleotide of the invention identified as important for one type of cancer can also have implications for development or risk of development of other types of cancer, e.g., where a polynucleotide is differentially expressed across various cancer types. Thus, for example, expression of a polynucleotide that has clinical implications for metastatic colon cancer can also have clinical implications for stomach cancer or endometrial cancer.

Staging. Staging is a process used by physicians to describe how advanced the cancerous state is in a patient. Staging assists the physician in determining a prognosis, planning treatment and evaluating the results of such treatment. Staging systems vary with the types of cancer, but generally involve the following "TNM" system: the type of tumor, indicated by T; whether the cancer has metastasized to nearby lymph nodes, indicated by N; and whether the cancer has metastasized to more distant parts of the body, indicated by M. Generally, if a cancer is only detectable in the area

of the primary lesion without having spread to any lymph nodes it is called Stage I. If it has spread only to the closest lymph nodes, it is called Stage II. In Stage III, the cancer has generally spread to the lymph nodes in near proximity to the site of the primary lesion. Cancers that have spread to a distant part of the body, such as the liver, bone, brain or other site, are Stage IV, the most advanced stage.

The polynucleotides of the invention can facilitate fine-tuning of the staging process by identifying markers for the aggressivity of a cancer, *e.g.* the metastatic potential, as well as the presence in different areas of the body. Thus, a Stage II cancer with a polynucleotide signifying a high metastatic potential cancer can be used to change a borderline Stage II tumor to a Stage III tumor, justifying more aggressive therapy. Conversely, the presence of a polynucleotide signifying a lower metastatic potential allows more conservative staging of a tumor.

Grading of cancers. Grade is a term used to describe how closely a tumor resembles normal tissue of its same type. The microscopic appearance of a tumor is used to identify tumor grade based on parameters such as cell morphology, cellular organization, and other markers of differentiation. As a general rule, the grade of a tumor corresponds to its rate of growth or aggressiveness, with undifferentiated or high-grade tumors being more aggressive than well differentiated or low-grade tumors. The following guidelines are generally used for grading tumors: 1) GX Grade cannot be assessed; 2) G1 Well differentiated; G2 Moderately well differentiated; 3) G3 Poorly differentiated; 4) G4 Undifferentiated. The polynucleotides of the invention can be especially valuable in determining the grade of the tumor, as they not only can aid in determining the differentiation status of the cells of a tumor, they can also identify factors other than differentiation that are valuable in determining the aggressiveness of a tumor, such as metastatic potential.

Detection of lung cancer. The polynucleotides of the invention can be used to detect lung cancer in a subject. Although there are more than a dozen different kinds of lung cancer, the two main types of lung cancer are small cell and nonsmall cell, which encompass about 90% of all lung cancer cases. Small cell carcinoma (also called oat cell carcinoma) usually starts in one of the larger bronchial tubes, grows fairly rapidly, and is likely to be large by the time of diagnosis. Nonsmall cell lung cancer (NSCLC) is made up of three general subtypes of lung cancer. Epidermoid carcinoma (also called squamous cell carcinoma) usually starts in one of the larger bronchial tubes and grows relatively slowly. The size of these tumors can range from very small to quite large. Adenocarcinoma starts growing near the outside surface of the lung and can vary in both size and growth rate. Some slowly growing adenocarcinomas are described as alveolar cell cancer. Large cell carcinoma starts near the surface of the lung, grows rapidly, and the growth is usually fairly large when diagnosed. Other less common forms of lung cancer are carcinoid, cylindroma, mucoepidermoid, and malignant mesothelioma.

The polynucleotides of the invention, e.g., polynucleotides differentially expressed in normal cells versus cancerous lung cells (e.g., tumor cells of high or low metastatic potential) or between types of cancerous lung cells (e.g., high metastatic versus low metastatic), can be used to distinguish types of lung cancer as well as identifying traits specific to a certain patient's cancer and selecting an appropriate therapy. For example, if the patient's biopsy expresses a polynucleotide that is associated with a low metastatic potential, it may justify leaving a larger portion of the patient's lung in surgery to remove the lesion. Alternatively, a smaller lesion with expression of a polynucleotide that is associated with high metastatic potential may justify a more radical removal of lung tissue and/or the surrounding lymph nodes, even if no metastasis can be identified through pathological examination.

Detection of breast cancer. The majority of breast cancers are adenocarcinomas subtypes, which can be summarized as follows: 1) ductal carcinoma in situ (DCIS), including comedocarcinoma; 2) infiltrating (or invasive) ductal carcinoma (IDC); 3) lobular carcinoma in situ (LCIS); 4) infiltrating (or invasive) lobular carcinoma (ILC); 5) inflammatory breast cancer; 6) medullary carcinoma; 7) mucinous carcinoma; 8) Paget's disease of the nipple; 9) Phyllodes tumor; and 10) tubular carcinoma;

The expression of polynucleotides of the invention can be used in the diagnosis and management of breast cancer, as well as to distinguish between types of breast cancer. Detection of breast cancer can be determined using expression levels of any of the appropriate polynucleotides of the invention, either alone or in combination. Determination of the aggressive nature and/or the metastatic potential of a breast cancer can also be determined by comparing levels of one or more polynucleotides of the invention and comparing levels of another sequence known to vary in cancerous tissue, e.g. ER expression. In addition, development of breast cancer can be detected by examining the ratio of expression of a differentially expressed polynucleotide to the levels of steroid hormones (e.g., testosterone or estrogen) or to other hormones (e.g., growth hormone, insulin). Thus expression of specific marker polynucleotides can be used to discriminate between normal and cancerous breast tissue, to discriminate between breast cancers with different cells of origin, to discriminate between breast cancers with different potential metastatic rates, etc.

Detection of colon cancer. The polynucleotides of the invention exhibiting the appropriate expression pattern can be used to detect colon cancer in a subject. Colorectal cancer is one of the most common neoplasms in humans and perhaps the most frequent form of hereditary neoplasia. Prevention and early detection are key factors in controlling and curing colorectal cancer. Colorectal cancer begins as polyps, which are small, benign growths of cells that form on the inner lining of the colon. Over a period of several years, some of these polyps accumulate additional mutations and become cancerous. Multiple familial colorectal cancer disorders have been identified.

which are summarized as follows: 1) Familial adenomatous polyposis (FAP); 2) Gardner's syndrome; 3) Hereditary nonpolyposis colon cancer (HNPCC); and 4) Familial colorectal cancer in Ashkenazi Jews. The expression of appropriate polynucleotides of the invention can be used in the diagnosis, prognosis and management of colorectal cancer. Detection of colon cancer can be
5 determined using expression levels of any of these sequences alone or in combination with the levels of expression. Determination of the aggressive nature and/or the metastatic potential of a colon cancer can be determined by comparing levels of one or more polynucleotides of the invention and comparing total levels of another sequence known to vary in cancerous tissue. *e.g.*, expression of p53, DCC ras. for FAP (see. *e.g.*, Fearon ER, *et al.*, *Cell* (1990) 61(5):759; Hamilton SR *et al.*,
10 *Cancer* (1993) 72:957; Bodmer W, *et al.*, *Nat Genet.* (1994) 4(3):217; Fearon ER. *Ann N Y Acad Sci.* (1995) 768:101). For example, development of colon cancer can be detected by examining the ratio of any of the polynucleotides of the invention to the levels of oncogenes (*e.g.* ras) or tumor suppressor genes (*e.g.* FAP or p53). Thus expression of specific marker polynucleotides can be used to discriminate between normal and cancerous colon tissue, to discriminate between colon cancers
15 with different cells of origin, to discriminate between colon cancers with different potential metastatic rates, etc.

Use of Polynucleotides to Screen for Peptide Analogs and Antagonists

Polypeptides encoded by the instant polynucleotides and corresponding full length genes can be used to screen peptide libraries to identify binding partners, such as receptors, from among
20 the encoded polypeptides. Peptide libraries can be synthesized according to methods known in the art (see, *e.g.*, USPN 5,010,175, and WO 91/17823). Agonists or antagonists of the polypeptides if the invention can be screened using any available method known in the art, such as signal transduction, antibody binding, receptor binding, mitogenic assays, chemotaxis assays, etc. The assay conditions ideally should resemble the conditions under which the native activity is exhibited
25 *in vivo*, that is, under physiologic pH, temperature, and ionic strength. Suitable agonists or antagonists will exhibit strong inhibition or enhancement of the native activity at concentrations that do not cause toxic side effects in the subject. Agonists or antagonists that compete for binding to the native polypeptide can require concentrations equal to or greater than the native concentration, while inhibitors capable of binding irreversibly to the polypeptide can be added in concentrations on the
30 order of the native concentration.

Such screening and experimentation can lead to identification of a novel polypeptide binding partner, such as a receptor, encoded by a gene or a cDNA corresponding to a polynucleotide of the invention, and at least one peptide agonist or antagonist of the novel binding partner. Such agonists and antagonists can be used to modulate, enhance, or inhibit receptor function in cells to
35 which the receptor is native, or in cells that possess the receptor as a result of genetic engineering.

Further, if the novel receptor shares biologically important characteristics with a known receptor, information about agonist/antagonist binding can facilitate development of improved agonists/antagonists of the known receptor.

Pharmaceutical Compositions and Therapeutic Uses

5 Pharmaceutical compositions of the invention can comprise polypeptides, antibodies, or polynucleotides (including antisense nucleotides and ribozymes) of the claimed invention in a therapeutically effective amount. The term "therapeutically effective amount" as used herein refers to an amount of a therapeutic agent to treat, ameliorate, or prevent a desired disease or condition, or to exhibit a detectable therapeutic or preventative effect. The effect can be detected by, for example, 10 chemical markers or antigen levels. Therapeutic effects also include reduction in physical symptoms, such as decreased body temperature. The precise effective amount for a subject will depend upon the subject's size and health, the nature and extent of the condition, and the therapeutics or combination of therapeutics selected for administration. Thus, it is not useful to specify an exact effective amount in advance. However, the effective amount for a given situation is determined by 15 routine experimentation and is within the judgment of the clinician. For purposes of the present invention, an effective dose will generally be from about 0.01 mg/kg to 50 mg/kg or 0.05 mg/kg to about 10 mg/kg of the DNA constructs in the individual to which it is administered.

A pharmaceutical composition can also contain a pharmaceutically acceptable carrier. The term "pharmaceutically acceptable carrier" refers to a carrier for administration of a therapeutic 20 agent, such as antibodies or a polypeptide, genes, and other therapeutic agents. The term refers to any pharmaceutical carrier that does not itself induce the production of antibodies harmful to the individual receiving the composition, and which can be administered without undue toxicity. Suitable carriers can be large, slowly metabolized macromolecules such as proteins, polysaccharides, polylactic acids, polyglycolic acids, polymeric amino acids, amino acid 25 copolymers, and inactive virus particles. Such carriers are well known to those of ordinary skill in the art. Pharmaceutically acceptable carriers in therapeutic compositions can include liquids such as water, saline, glycerol and ethanol. Auxiliary substances, such as wetting or emulsifying agents, pH buffering substances, and the like, can also be present in such vehicles. Typically, the therapeutic compositions are prepared as injectables, either as liquid solutions or suspensions; solid forms 30 suitable for solution in, or suspension in, liquid vehicles prior to injection can also be prepared. Liposomes are included within the definition of a pharmaceutically acceptable carrier. Pharmaceutically acceptable salts can also be present in the pharmaceutical composition, e.g., mineral acid salts such as hydrochlorides, hydrobromides, phosphates, sulfates, and the like; and the salts of organic acids such as acetates, propionates, malonates, benzoates, and the like. A thorough

discussion of pharmaceutically acceptable excipients is available in *Remington's Pharmaceutical Sciences* (Mack Pub. Co., N.J. 1991).

Delivery Methods. Once formulated, the compositions of the invention can be (1) administered directly to the subject (e.g., as polynucleotide or polypeptides); or (2) delivered ex vivo, to cells derived from the subject (e.g., as in *ex vivo* gene therapy). Direct delivery of the compositions will generally be accomplished by parenteral injection, e.g., subcutaneously, intraperitoneally, intravenously or intramuscularly, intratumoral or to the interstitial space of a tissue. Other modes of administration include oral and pulmonary administration, suppositories, and transdermal applications, needles, and gene guns or hyposprays. Dosage treatment can be a single dose schedule or a multiple dose schedule.

Methods for the *ex vivo* delivery and reimplantation of transformed cells into a subject are known in the art and described in e.g., International Publication No. WO 93/14778. Examples of cells useful in *ex vivo* applications include, for example, stem cells, particularly hematopoietic, lymph cells, macrophages, dendritic cells, or tumor cells. Generally, delivery of nucleic acids for both *ex vivo* and *in vitro* applications can be accomplished by, for example, dextran-mediated transfection, calcium phosphate precipitation, polybrene mediated transfection, protoplast fusion, electroporation, encapsulation of the polynucleotide(s) in liposomes, and direct microinjection of the DNA into nuclei, all well known in the art.

Once a gene corresponding to a polynucleotide of the invention has been found to correlate with a proliferative disorder, such as neoplasia, dysplasia, and hyperplasia, the disorder can be amenable to treatment by administration of a therapeutic agent based on the provided polynucleotide, corresponding polypeptide or other corresponding molecule (e.g., antisense, ribozyme, etc.).

The dose and the means of administration of the inventive pharmaceutical compositions are determined based on the specific qualities of the therapeutic composition, the condition, age, and weight of the patient, the progression of the disease, and other relevant factors. For example, administration of polynucleotide therapeutic compositions agents of the invention includes local or systemic administration, including injection, oral administration, particle gun or catheterized administration, and topical administration. Preferably, the therapeutic polynucleotide composition contains an expression construct comprising a promoter operably linked to a polynucleotide of at least 12, 22, 25, 30, or 35 contiguous nt of the polynucleotide disclosed herein. Various methods can be used to administer the therapeutic composition directly to a specific site in the body. For example, a small metastatic lesion is located and the therapeutic composition injected several times in several different locations within the body of tumor. Alternatively, arteries which serve a tumor are identified, and the therapeutic composition injected into such an artery, in order to deliver the

composition directly into the tumor. A tumor that has a necrotic center is aspirated and the composition injected directly into the now empty center of the tumor. The antisense composition is directly administered to the surface of the tumor, for example, by topical application of the composition. X-ray imaging is used to assist in certain of the above delivery methods.

5 Receptor-mediated targeted delivery of therapeutic compositions containing an antisense polynucleotide, subgenomic polynucleotides, or antibodies to specific tissues can also be used. Receptor-mediated DNA delivery techniques are described in, for example, Findeis *et al.*, *Trends Biotechnol.* (1993) 11:202; Chiou *et al.*, *Gene Therapeutics: Methods And Applications Of Direct Gene Transfer* (J.A. Wolff, ed.) (1994); Wu *et al.*, *J. Biol. Chem.* (1988) 263:621; Wu *et al.*, *J. Biol.*
 10 *Chem.* (1994) 269:542; Zenke *et al.*, *Proc. Natl. Acad. Sci. (USA)* (1990) 87:3655; Wu *et al.*, *J. Biol. Chem.* (1991) 266:338. Therapeutic compositions containing a polynucleotide are administered in a range of about 100 ng to about 200 mg of DNA for local administration in a gene therapy protocol. Concentration ranges of about 500 ng to about 50 mg, about 1 g to about 2 mg, about 5 g to about 500 g, and about 20 g to about 100 g of DNA can also be used during a gene therapy
 15 protocol. Factors such as method of action (e.g., for enhancing or inhibiting levels of the encoded gene product) and efficacy of transformation and expression are considerations which will affect the dosage required for ultimate efficacy of the antisense subgenomic polynucleotides. Where greater expression is desired over a larger area of tissue, larger amounts of antisense subgenomic polynucleotides or the same amounts readministered in a successive protocol of administrations, or
 20 several administrations to different adjacent or close tissue portions of, for example, a tumor site, may be required to effect a positive therapeutic outcome. In all cases, routine experimentation in clinical trials will determine specific ranges for optimal therapeutic effect. For polynucleotide-related genes encoding polypeptides or proteins with anti-inflammatory activity, suitable use, doses, and administration are described in USPN 5,654,173.

25 The therapeutic polynucleotides and polypeptides of the present invention can be delivered using gene delivery vehicles. The gene delivery vehicle can be of viral or non-viral origin (see generally, Jolly, *Cancer Gene Therapy* (1994) 1:51; Kimura, *Human Gene Therapy* (1994) 5:845; Connelly, *Human Gene Therapy* (1995) 1:185; and Kaplitt, *Nature Genetics* (1994) 6:148). Expression of such coding sequences can be induced using endogenous mammalian or heterologous
 30 promoters. Expression of the coding sequence can be either constitutive or regulated.

Viral-based vectors for delivery of a desired polynucleotide and expression in a desired cell are well known in the art. Exemplary viral-based vehicles include, but are not limited to, recombinant retroviruses (see, e.g., WO 90/07936; WO 94/03622; WO 93/25698; WO 93/25234; USPN 5,219,740; WO 93/11230; WO 93/10218; USPN 4,777,127; GB Patent No. 2,200,651; EP 0
 35 345 242; and WO 91/02805), alphavirus-based vectors (e.g., Sindbis virus vectors, Semliki forest

virus (ATCC VR-67: ATCC VR-1247). Ross River virus (ATCC VR-373: ATCC VR-1246) and Venezuelan equine encephalitis virus (ATCC VR-923: ATCC VR-1250: ATCC VR 1249: ATCC VR-532). and adeno-associated virus (AAV) vectors (see, e.g., WO 94/12649. WO 93/03769; WO 93/19191: WO 94/28938: WO 95/11984 and WO 95/00655). Administration of DNA linked to
 5 killed adenovirus as described in Curiel, *Hum. Gene Ther.* (1992) 3:147 can also be employed.

Non-viral delivery vehicles and methods can also be employed, including, but not limited to, polycationic condensed DNA linked or unlinked to killed adenovirus alone (see, e.g., Curiel, *Hum. Gene Ther.* (1992) 3:147); ligand-linked DNA(see, e.g., Wu, *J. Biol. Chem.* (1989) 264:16985); eukaryotic cell delivery vehicles cells (see, e.g., USPN 5,814,482: WO 95/07994: WO 96/17072;
 10 WO 95/30763: and WO 97/42338) and nucleic charge neutralization or fusion with cell membranes. Naked DNA can also be employed. Exemplary naked DNA introduction methods are described in WO 90/11092 and USPN 5,580,859. Liposomes that can act as gene delivery vehicles are described in USPN 5,422,120: WO 95/13796: WO 94/23697; WO 91/14445: and EP 0524968. Additional approaches are described in Philip, *Mol. Cell Biol.* (1994) 14:2411, and in Woffendin, *Proc. Natl.*
 15 *Acad. Sci.* (1994) 91:1581

Further non-viral delivery suitable for use includes mechanical delivery systems such as the approach described in Woffendin *et al.*, *Proc. Natl. Acad. Sci. USA* (1994) 91(24):11581. Moreover, the coding sequence and the product of expression of such can be delivered through deposition of photopolymerized hydrogel materials or use of ionizing radiation (see, e.g., USPN 5,206,152 and
 20 WO 92/11033). Other conventional methods for gene delivery that can be used for delivery of the coding sequence include, for example, use of hand-held gene transfer particle gun (see, e.g., USPN 5,149,655); use of ionizing radiation for activating transferred gene (see, e.g., USPN 5,206,152 and WO 92/11033).

The present invention will now be illustrated by reference to the following examples which
 25 set forth particularly advantageous embodiments. However, it should be noted that these embodiments are illustrative and are not to be construed as restricting the invention in any way.

EXAMPLES

Example 1: Source of Biological Materials and Overview of Novel Polynucleotides Expressed 30 by the Biological Materials

cDNA libraries were constructed from either human colon cancer cell line Km12L4-A (Morikawa, et al., *Cancer Research* (1988) 48:6863), KM12C (Morikawa et al. *Cancer Res.* (1988) 48:1943-1948), or MDA-MB-231 (Brinkley et al. *Cancer Res.* (1980) 40:3118-3129) was used to construct a cDNA library from mRNA isolated from the cells. Sequences expressed by these cell
 35 lines were isolated and analyzed; most sequences were about 275-300 nucleotides in length. The

KM12L4-A cell line is derived from the KM12C cell line. The KM12C cell line, which is poorly metastatic (low metastatic) was established in culture from a Dukes' stage B₂ surgical specimen (Morikawa *et al. Cancer Res.* (1988) 48:6863). The KML4-A is a highly metastatic subline derived from KM12C (Yeatman *et al. Nucl. Acids. Res.* (1995) 23:4007; Bao-Ling *et al. Proc. Annu. Meet. Am. Assoc. Cancer. Res.* (1995) 21:3269). The KM12C and KM12C-derived cell lines (e.g., KM12L4, KM12L4-A, etc.) are well-recognized in the art as a model cell line for the study of colon cancer (see, e.g., Moriakawa *et al., supra*; Radinsky *et al. Clin. Cancer Res.* (1995) 1:19; Yeatman *et al., (1995) supra*; Yeatman *et al. Clin. Exp. Metastasis* (1996) 14:246). The MDA-MB-231 cell line was originally isolated from pleural effusions (Cailleau, *J. Natl. Cancer. Inst.* (1974) 53:661), is of high metastatic potential, and forms poorly differentiated adenocarcinoma grade II in nude mice consistent with breast carcinoma.

The sequences of the isolated polynucleotides were first masked to eliminate low complexity sequences using the XBLAST masking program (Claverie "Effective Large-Scale Sequence Similarity Searches." In: Computer Methods for Macromolecular Sequence Analysis, Doolittle, ed., *Meth. Enzymol.* 266:212-227 Academic Press, NY, NY (1996); see particularly Claverie, in "Automated DNA Sequencing and Analysis Techniques" Adams *et al., eds.*, Chap. 36, p. 267 Academic Press, San Diego, 1994 and Claverie *et al. Comput. Chem.* (1993) 17:191). Generally, masking does not influence the final search results, except to eliminate sequences of relative little interest due to their low complexity, and to eliminate multiple "hits" based on similarity to repetitive regions common to multiple sequences, e.g., Alu repeats. Masking resulted in the elimination of 43 sequences. The remaining sequences were then used in a BLASTN vs. GenBank search; sequences that exhibited greater than 70% overlap, 99% identity, and a p value of less than 1×10^{-40} were discarded. Sequences from this search also were discarded if the inclusive parameters were met, but the sequence was ribosomal or vector-derived.

The resulting sequences from the previous search were classified into three groups (1, 2 and 3 below) and searched in a BLASTX vs. NRP (non-redundant proteins) database search: (1) unknown (no hits in the GenBank search), (2) weak similarity (greater than 45% identity and p value of less than 1×10^{-5}), and (3) high similarity (greater than 60% overlap, greater than 80% identity, and p value less than 1×10^{-5}). Sequences having greater than 70% overlap, greater than 99% identity, and p value of less than 1×10^{-40} were discarded.

The remaining sequences were classified as unknown (no hits), weak similarity, and high similarity (parameters as above). Two searches were performed on these sequences. First, a BLAST vs. EST database search was performed and sequences with greater than 99% overlap,

greater than 99% similarity and a p value of less than 1×10^{-40} were discarded. Sequences with a p value of less than 1×10^{-65} when compared to a database sequence of human origin were also excluded. Second, a BLASTN vs. Patent GeneSeq database was performed and sequences having greater than 99% identity, p value less than 1×10^{-40} , and greater than 99% overlap were discarded.

5 The remaining sequences were subjected to screening using other rules and redundancies in the dataset. Sequences with a p value of less than 1×10^{-111} in relation to a database sequence of human origin were specifically excluded. The final result provided the 1,565 sequences listed as SEQ ID NOS:1-1565 in the accompanying Sequence Listing and summarized in Table 1A (inserted prior to claims). Each identified polynucleotide represents sequence from at least a partial mRNA
10 transcript.

Table 1A provides: 1) the SEQ ID NO assigned to each sequence for use in the present specification; 2) the filing date of the U.S. priority application in which the sequence was first filed; 3) the attorney docket number assigned to the priority application (for internal use); 4) the SEQ ID NO assigned to the sequence in the priority application; 5) the sequence name used as an internal
15 identifier of the sequence; and 6) the name assigned to the clone from which the sequence was isolated. Because the provided polynucleotides represent partial mRNA transcripts, two or more polynucleotides of the invention may represent different regions of the same mRNA transcript and the same gene. Thus, if two or more SEQ ID NOS: are identified as belonging to the same clone, then either sequence can be used to obtain the full-length mRNA or gene.

20 In order to confirm the sequences of SEQ ID NOS:1-1565, the clones were retrieved from a library using a robotic retrieval system, and the inserts of the retrieved clones re-sequenced. These "validation" sequences are provided as SEQ ID NOS:1566-2610 in the Sequence Listing, and a summary of the "validation" sequences provided in Table 1B (inserted prior to claims). Table 1B provides: 1) the SEQ ID NO assigned to each sequence for use in the present specification; 2) the
25 sequence name assigned to the "validation" sequence obtained; 3) whether the "validation" sequence contains sequence that overlaps with an original sequence of SEQ ID NOS:1-1565 (Validation Overlap (VO)), or whether the "validation" sequence does not substantially overlap with an original sequence of SEQ ID NOS:1-1565 (indicated by Validation Non-Overlap (VNO)); and
30 4) where the sequence is indicated as VO, the name of the clone that contains the indicated "validation" sequence. "Validation" sequences are indicated as "VO" where the "validation" sequence overlaps with an original sequence (e.g., one of SEQ ID NOS:1-1565), and/or the "validation" sequence belongs to the same cluster as the original sequence using the clustering technique described above. Because the inserts of the clones are generally longer than the original

sequence and the validation sequence. it is possible that a "validation" sequence can be obtained from the same clone as an original sequence but yet not share any of the sequence of the original. Such validation sequences will, however, belong to the same cluster as the original sequence using the clustering technique described above. VO "validation" sequences are contained within the same clone as the original sequence (one of SEQ ID NOS:1-1565). "Validation" sequences that provided overlapping sequence are indicating by "VO" can be correlated with the original sequences they validate by referring to Table 1A. Sequences indicated as VNO are treated as newly isolated sequences and may or may not be related to the sequences of SEQ ID NOS:1-1565. Because the "validation" sequences are often longer than the original polynucleotide sequences and thus provide additional sequence information. All validation sequences can be obtained either from an indicated clone (e.g., for VO sequences) or from a cDNA library described herein (e.g., using primers designed from the sequence provided in the sequence listing).

Example 2: Results of Public Database Search to Identify Function of Gene Products

SEQ ID NOS:1566-2610 were translated in all three reading frames, and the nucleotide sequences and translated amino acid sequences used as query sequences to search for homologous sequences in either the GenBank (nucleotide sequences) or Non-Redundant Protein (amino acid sequences) databases. Query and individual sequences were aligned using the BLAST 2.0 programs, available over the world wide web at <http://www.ncbi.nlm.nih.gov/BLAST/>. (see also Altschul, et al. *Nucleic Acids Res.* (1997) 25:3389-3402). The sequences were masked to various extents to prevent searching of repetitive sequences or poly-A sequences, using the XBLAST program for masking low complexity as described above in Example 1.

Tables 2A and 2B (inserted before the claims) provide the alignment summaries having a p value of 1×10^{-2} or less indicating substantial homology between the sequences of the present invention and those of the indicated public databases. Table 2A provides the SEQ ID NO of the query sequence, the accession number of the GenBank database entry of the homologous sequence, and the p value of the alignment. Table 2A provides the SEQ ID NO of the query sequence, the accession number of the Non-Redundant Protein database entry of the homologous sequence, and the p value of the alignment. The alignments provided in Tables 2A and 2B are the best available alignment to a DNA or amino acid sequence at a time just prior to filing of the present specification. The activity of the polypeptide encoded by the SEQ ID NOS listed in Tables 2A and 2B can be extrapolated to be substantially the same or substantially similar to the activity of the reported nearest neighbor or closely related sequence. The accession number of the nearest neighbor is reported, providing a publicly available reference to the activities and functions exhibited by the

nearest neighbor. The public information regarding the activities and functions of each of the nearest neighbor sequences is incorporated by reference in this application. Also incorporated by reference is all publicly available information regarding the sequence, as well as the putative and actual activities and functions of the nearest neighbor sequences listed in Table 2 and their related sequences. The search program and database used for the alignment, as well as the calculation of the p value are also indicated.

Full length sequences or fragments of the polynucleotide sequences of the nearest neighbors can be used as probes and primers to identify and isolate the full length sequence of the corresponding polynucleotide. The nearest neighbors can indicate a tissue or cell type to be used to construct a library for the full-length sequences of the corresponding polynucleotides.

Example 3: Members of Protein Families

SEQ ID NOS:1566-2601 were used to conduct a profile search as described in the specification above. Several of the polynucleotides of the invention were found to encode polypeptides having characteristics of a polypeptide belonging to a known protein family (and thus represent new members of these protein families) and/or comprising a known functional domain (Table 3A, inserted prior to claims). Table 3A provides the SEQ ID NO: of the query sequence, a brief description of the profile hit, the position of the query sequence within the individual sequence (indicated as "start" and "stop"), and the orientation (Direction) of the query sequence with respect to the individual sequence, where forward (for) indicates that the alignment is in the same direction (left to right) as the sequence provided in the Sequence Listing and reverse (rev) indicates that the alignment is with a sequence complementary to the sequence provided in the Sequence Listing.

Some polynucleotides exhibited multiple profile hits where the query sequence contains overlapping profile regions, and/or where the sequence contains two different functional domains. Each of the profile hits of Table 3A are described in more detail below. The acronyms for the profiles (provided in parentheses) are those used to identify the profile in the Pfam and Prosite databases. The Pfam database can be accessed through any of the following URLs: <http://pfam.wustl.edu/index.html>; <http://www.sanger.ac.uk/Software/Pfam/>; and <http://www.cgr.ki.se/Pfam/>. The Prosite database can be accessed at <http://www.expasy.ch/prosite/>. The public information available on the Pfam and Prosite databases regarding the various profiles, including but not limited to the activities, function, and consensus sequences of various proteins families and protein domains, is incorporated herein by reference.

14-3-3 Family (14_3_3). SEQ ID NO:1967 corresponds to a sequence encoding a 14-3-3 protein family member. The 14-3-3 protein family includes a group of closely related acidic homodimeric proteins of about 30 kD first identified as very abundant in mammalian brain tissues

- and located preferentially in neurons (Aitken et al. *Trends Biochem. Sci.* (1995) 20:95-97; Morrison *Science* (1994) 266:56-57; and Xiao et al. *Nature* (1995) 376:188-191). The 14-3-3 proteins have multiple biological activities, including a key role in signal transduction pathways and the cell cycle. 14-3-3 proteins interact with kinases (e.g., PKC or Raf-1), and can also function as protein-kinase dependent activators of tyrosine and tryptophan hydroxylases. The 14-3-3 protein sequences are extremely well conserved, and include two highly conserved regions: the first is a peptide of 11 residues located in the N-terminal section; the second, a 20 amino acid region located in the C-terminal section. The consensus patterns are as follows: 1) R-N-L-[LIV]-S-[VG]-[GA]-Y-[KN]-N-[IVA]; 2) Y-K-[DE]-S-T-L-I-[IM]-Q-L-[LF]-[RHC]-D-N-[LF]-T-[LS]-W-[TAN]-[SAD].
- 10 3'5'-Cyclic Nucleotide Phosphodiesterases (PDEase). SEQ ID NO: 2366 represents a polynucleotide encoding a novel 3'5'-cyclic nucleotide phosphodiesterase. PDEases catalyze the hydrolysis of cAMP or cGMP to the corresponding nucleoside 5' monophosphates (Charbonneau et al. *Proc. Natl. Acad. Sci. U.S.A.* (1986) 83:9308). There are at least seven different subfamilies of PDEases (Beavo et al., *Trends Pharmacol. Sci.* (1990) 11:150; <http://weber.u.washington.edu/~pde/>:
- 15 1) Type 1, calmodulin/calcium-dependent PDEases; 2) Type 2, cGMP-stimulated PDEases; 3) Type 3, cGMP-inhibited PDEases; 4) Type 4, cAMP-specific PDEases; 5) Type 5, cGMP-specific PDEases; 6) Type 6, rhodopsin-sensitive cGMP-specific PDEases; and 7) Type 7, High affinity cAMP-specific PDEases. All PDEase forms share a conserved domain of about 270 residues. The signature pattern is determined from a stretch of 12 residues that contains two conserved histidines:
- 20 H-D-[LIVMFY]-x-H-x-[AG]-x(2)-[NQ]-x-[LIVMFY].
- Four Transmembrane Integral Membrane Proteins (tm4). SEQ ID NOS:1579 and 1978 sequences correspond to a sequence encoding a member of the four transmembrane segments integral membrane protein family (tm4 family). The tm4 family of proteins includes a number of evolutionarily-related eukaryotic cell surface antigens (Levy et al., *J. Biol. Chem.* (1991) 266:14597; Tomlinson et al., *Eur. J. Immunol.* (1993) 23:136; Barclay et al. *The leucocyte antigen* factbooks. (1993) Academic Press, London/San Diego). The tm4 family members are type III membrane proteins, which are integral membrane proteins containing an N-terminal membrane-anchoring domain that functions both as a translocation signal and as a membrane anchor. The family members also contain three additional transmembrane regions, at least seven conserved
- 30 cysteines residues, and are of approximately the same size (218 to 284 residues). The consensus pattern spans a conserved region including two cysteines located in a short cytoplasmic loop between two transmembrane domains: Consensus pattern: G-x(3)-[LIVMF]-x(2)-[GSA]-[LIVMF](2)-G-C-x-[GA]-[STA]-x(2)-[EG]-x(2)-[CWN]-[LIVM](2).
- Seven Transmembrane Integral Membrane Proteins -- Rhodopsin Family (7tm 1). SEQ ID NOS:1652, 1927, and 2068 correspond to a sequence encoding a member of the seven

- transmembrane (7tm) receptor rhodopsin family. G-protein coupled receptors of the (7tm) rhodopsin family include hormones, neurotransmitters, and light receptors that transduce extracellular signals by interaction with guanine nucleotide-binding (G) proteins (Strosberg *Eur. J. Biochem.* (1991) 196:1, Kerlavage *Curr. Opin. Struct. Biol.* (1991) 1:394, Probst, et al., *DNA Cell Biol.* (1992) 11:1, Savarese, et al., *Biochem. J.* (1992) 283:1, <http://www.gcrdb.uthscsa.edu/>, <http://swift.embl-heidelberg.de/7tm/>) The consensus pattern that contains the conserved triplet and that also spans the major part of the third transmembrane helix is used to detect this widespread family of proteins: [GSTALIVMFYWC]-[GSTANCPDE]-{EDPKRH}-x(2)-[LIVMNQGA]-x(2)-[LIVMFT]-[GSTANC]-[LIVMFYWSTAC]-[DENH]-R-[FYWCSH]-x(2)-[LIVM].
- 10 Seven Transmembrane Integral Membrane Proteins -- Secretin Family (7tm_2). SEQ ID NOS:1598, 1719, 1911, 1927, 2068, and 2341 correspond to a sequence encoding a member of the seven transmembrane receptor (7tm) secretin family (Jueppner et al. *Science* (1991) 254:1024; Hamann et al. *Genomics* (1996) 32:144). The N-terminal extracellular domain of these receptors contains five conserved cysteines residues involved in disulfide bonds, with a consensus pattern in
- 15 the region that spans the first three cysteines. One of the most highly conserved regions spans the C-terminal part of the last transmembrane region and the beginning of the adjacent intracellular region and is used as a second signature pattern. The two consensus patterns are: 1) C-x(3)-[FYWLIV]-D-x(3,4)-C-[FW]-x(2)-[STAGV]-x(8,9)-C-[PF]; and 2) Q-G-[LMFCA]-[LIVMFT]-[LIV]-x-[LIVFST]-[LIF]-[VFYH]-C-[LFY]-x-N-x(2)-V
- 20 ATPases Associated with Various Cellular Activities (ATPases). Several of the polynucleotides of the invention correspond to a sequence that encodes a member of a family of ATPases Associated with diverse cellular Activities (AAA). The AAA protein family is composed of a large number of ATPases that share a conserved region of about 220 amino acids containing an ATP-binding site (Froehlich *et al.*, *J. Cell Biol.* (1991) 114:443; Erdmann *et al.* *Cell* (1991) 64:499;
- 25 Peters *et al.*, *EMBO J.* (1990) 9:1757; Kunau *et al.*, *Biochimie* (1993) 75:209-224; Confalonieri *et al.*, *BioEssays* (1995) 17:639; <http://yeamob.pci.chemie.uni-tuebingen.de/AAA/Description.html>). The AAA domain, which can be present in one or two copies, acts as an ATP-dependent protein clamp (Confalonieri *et al.* (1995) *BioEssays* 17:639) and contains a highly conserved region located in the central part of the domain. The consensus pattern is: [LIVMT]-x-[LIVMT]-[LIVMF]-x-
- 30 [GATMC]-[ST]-[NS]-x(4)-[LIVM]-D-x-A-[LIFA]-x-R.
- Basic Region Plus Leucine Zipper Transcription Factors (BZIP). SEQ ID NO:1623 represents a polynucleotide encoding a novel member of the family of basic region plus leucine zipper transcription factors. The bZIP superfamily (Hurst, *Protein Prof.* (1995) 2:105; and Ellenberger, *Curr. Opin. Struct. Biol.* (1994) 4:12) of eukaryotic DNA-binding transcription factors
- 35 encompasses proteins that contain a basic region mediating sequence-specific DNA-binding

followed by a leucine zipper required for dimerization. The consensus pattern for this protein family is: [KR]-x(1,3)-[RKSAQ]-N-x(2)-[SAQ](2)-x-[RKTAENQ]-x-R-x-[RK].

C2 domain (C2). SEQ ID NOS: 1715 and 2426 correspond to a sequence encoding a C2 domain, which is involved in calcium-dependent phospholipid binding (Davletov *J. Biol. Chem.* (1993) 268:26386-26390) or, in proteins that do not bind calcium, the domain may facilitate binding to inositol-1,3,4,5-tetraphosphate (Fukuda et al. *J. Biol. Chem.* (1994) 269:29206-29211; Sutton et al. *Cell* (1995) 80:929-938). The consensus sequence is: [ACG]-x(2)-L-x(2,3)-D-x(1,2)-[NGSTLIF]-[GTM]-x-[STAP]-D-[PA]-[FY].

Cysteine proteases (Cys-protease). SEQ ID NO:2238 represents a polynucleotide encoding a protein having a eukaryotic thiol (cysteine) protease active site. Cysteine proteases (Dufour *Biochimie* (1988) 70:1335) are a family of proteolytic enzymes that contain an active site cysteine. Catalysis proceeds through a thioester intermediate and is facilitated by a nearby histidine side chain: an asparagine completes the essential catalytic triad. The sequences around the three active site residues are well conserved and can be used as signature patterns: Q-x(3)-[GE]-x-C-[YW]-x(2)-[STAGC]-[STAGCV] (where C is the active site residue); 2) [LIVMGSTAN]-x-H-[GSACE]-[LIVM]-x-[LIVMAT](2)-G-x-[GSADNH] (where H is the active site residue); and 3) [FYCH]-[WI]-[LIVT]-x-[KRQAG]-N-[ST]-W-x(3)-[FYW]-G-x(2)-G-[LFYW]-[LIVMFYG]-x-[LIVMF] (where N is the active site residue).

DEAD and DEAH box families ATP-dependent helicases (Dead_box_helic). SEQ ID NOS:1630, 1865, and 2517 represent polynucleotides encoding a novel member of the DEAD and DEAH box families (Schmid et al., *Mol. Microbiol.* (1992) 6:283; Linder et al., *Nature* (1989) 337:121; Wassarman, et al., *Nature* (1991) 349:463). All members of these families are involved in ATP-dependent, nucleic-acid unwinding. All DEAD box family members share a number of conserved sequence motifs, some of which are specific to the DEAD family, with others shared by other ATP-binding proteins or by proteins belonging to the helicases 'superfamily' (Hodgman *Nature* (1988) 333:22 and *Nature* (1988) 333:578 (Errata); http://www.expasy.ch/www/linder/HELICASES_TEXT.html). One of these motifs, called the 'D-E-A-D-box', represents a special version of the B motif of ATP-binding proteins. Proteins that have His instead of the second Asp and are 'D-E-A-H-box' proteins (Wassarman et al., *Nature* (1991) 349:463; Harosh, et al., *Nucleic Acids Res.* (1991) 19:6331; Koonin, et al., *J. Gen. Virol.* (1992) 73:989; http://www.expasy.ch/www/linder/HELICASES_TEXT.html). The following signature patterns are used to identify member for both subfamilies: 1) [LIVMF](2)-D-E-A-D-[RKEN]-x-[LIVMFYGSTN]; and 2) [GSAH]-x-[LIVMF](3)-D-E-[ALIV]-H-[NECR].

Dual specificity phosphatase (DSPc). Dual specificity phosphatases (DSPs) are Ser/Thr and Tyr protein phosphatases that comprise a tertiary fold highly similar to that of tyrosine-specific

phosphatases, except for a "recognition" region connecting helix alpha1 to strand beta1. This tertiary fold may determine differences in substrate specific between VH-1 related dual specificity phosphatase (VHR), the protein tyrosine phosphatases (PTPs), and other DSPs. Phosphatases are important in the control of cell growth, proliferation, differentiation and transformation.

- 5 EF Hand (EFhand). SEQ ID NO:1595 corresponds to a polynucleotide encoding a member of the EF-hand protein family, a calcium binding domain shared by many calcium-binding proteins belonging to the same evolutionary family (Kawasaki *et al.*, *Protein. Prof.* (1995) 2:305-490). The domain is a twelve residue loop flanked on both sides by a twelve residue alpha-helical domain, with a calcium ion coordinated in a pentagonal bipyramidal configuration. The six residues involved in the binding are in positions 1, 3, 5, 7, 9 and 12; these residues are denoted by X, Y, Z, -Y, -X and -Z. 10 The invariant Glu or Asp at position 12 provides two oxygens for liganding Ca (bidentate ligand). The consensus pattern includes the complete EF-hand loop as well as the first residue which follows the loop and which seem to always be hydrophobic: D-x-[DNS]-{ILVFYW}-[DENSTG]-[DNQGHRK]-{GP}-[LIVMC]-[DENQSTAGC]-x(2)-[DE]-[LIVMFYW].

- 15 Eukaryotic Aspartyl Proteases (asp). Several of the polynucleotides of the invention correspond to a sequence encoding a novel eukaryotic aspartyl protease. Aspartyl proteases, known as acid proteases, (EC 3.4.23.-) are a widely distributed family of proteolytic enzymes (Foltmann., *Essays Biochem.* (1981) 17:52; Davies, *Annu. Rev. Biophys. Chem.* (1990) 19:189; Rao, *et al.*, *Biochemistry* (1991) 30:4663) known to exist in vertebrates, fungi, plants, retroviruses and some 20 plant viruses. Aspartate proteases of eukaryotes are monomeric enzymes which consist of two domains. Each domain contains an active site centered on a catalytic aspartyl residue. The consensus pattern to identify eukaryotic aspartyl protease is: [LIVMFGAC]-[LIVMTADN]-[LIVFSA]-D-[ST]-G-[STAV]-[STAPDENQ]- x-[LIVMFSTNC]-x-[LIVMFGTA], where D is the active site residue.

- 25 Fibronectin Type II collagen-binding domain (FntypeII). SEQ ID NO: 1968 corresponds to a polynucleotide encoding a polypeptide having a type II fibronectin collagen binding domain. Fibronectin is a plasma protein that binds cell surfaces and various compounds including collagen, fibrin, heparin, DNA, and actin. The major part of the sequence of fibronectin consists of the repetition of three types of domains, called type I, II, and III (Skorstengaard *et al.*, *Eur. J. Biochem.* (1986) 161:441). The type II domain, which is duplicated in fibronectin, is approximately forty 30 residues long, contains four conserved cysteines involved in disulfide bonds and is part of the collagen-binding region of fibronectin. The consensus pattern for identifying members of this family, which pattern spans this entire domain, is: C-x(2)-P-F-x-[FYWI]-x(7)-C-x(8,10)-W-C-x(4)-[DNSR]-[FYW]- x(3,5)-[FYW]-x-[FYWI]-C (where the four C's are involved in disulfide bonds).

- 35 G-Protein Alpha Subunit (G-alpha). SEQ ID NO: 1779 corresponds to a gene encoding a

member of the G-protein alpha subunit family. G-proteins are a family of membrane-associated proteins that couple extracellularly-activated integral-membrane receptors to intracellular effectors, such as ion channels and enzymes that vary the concentration of second messenger molecules. G-proteins are composed of 3 subunits (alpha, beta and gamma) which, in the resting state, associate as a trimer at the inner face of the plasma membrane. The alpha subunit, which binds GTP and exhibits GTPase activity, is about 350-400 amino acids in length with a molecular weight in the range of 40-45 kDa. Seventeen distinct types of alpha subunit have been identified in mammals, and fall into 4 main groups on the basis of both sequence similarity and function: alpha-s, alpha-q, alpha-i and alpha-12 (Simon *et al.*, *Science* (1993) 252:802). They are often N-terminally acylated, usually with myristate and/or palmitoylate, and these fatty acid modifications can be important for membrane association and high-affinity interactions with other proteins.

Helicases conserved C-terminal domain (helicase_C). SEQ ID NOS: 1621 and 1652 represent polynucleotides encoding novel members of the DEAD/H helicase family. The DEAD and DEAH families are described above.

Helix-Loop-Helix (HLH) DNA Binding Domain (HLH). SEQ ID NO:2192 corresponds to a sequence encoding an HLH domain. The HLH domain, which normally spans about 40 to 50 amino acids, is present in a number of eukaryotic transcription factors. The HLH domain is formed of two amphipathic helices joined by a variable length linker region that forms a loop that mediates protein dimerization (Murre *et al.* *Cell* (1989) 56:777-783). Basic HLH proteins (bHLH), which have an extra basic region of about 15 amino acid residues adjacent the HLH domain and specifically bind to DNA, include two groups: class A (ubiquitous) and class B (tissue-specific). bHLH family members bind variations of the E-box motif (CANNTG). The homo- or heterodimerization mediated by the HLH domain is independent of, but necessary for DNA binding, as two basic regions are required for DNA binding activity. The HLH proteins lacking the basic domain function as negative regulators since they form heterodimers, but fail to bind DNA. Consensus pattern: [DENSTAP]-[KTR]-[LIVMAGSNT]-{FYWCPHKR}-[LIVMT]-[LIVM]-x(2)-[STAV]-[LIVMSTACKR]-x-[VMFYH]-[LIVMTA]-{P}-{P}-[LIVMRKHQ].

Kinase Domain of Tors. The TOR profile is directed towards a lipid kinase protein family. This family is composed of large proteins with a lipid and protein kinase domain and characterized through their sensitivity to rapamycin (an antifungal compound). TOR proteins are involved in signal transduction downstream of PI3 kinase and many other signals. TOR (also called FRAP, RAFT) plays a role in regulating protein synthesis and cell growth, and in yeast controls translation initiation and early G1 progression. See, *e.g.*, Barbet *et al.* *Mol Biol Cell.* (1996) 7(1):25-42; Helliwell *et al.* *Genetics* (1998) 148:99-112.

MAP kinase kinase (mkk). SEQ ID NOS: 1825, 1876, 2039, and 2526 represent members of

the MAP kinase kinase (mkk) family. MAP kinases (MAPK) are involved in signal transduction and are important in cell cycle and cell growth controls. The MAP kinase kinases (MAPKK) are dual-specificity protein kinases which phosphorylate and activate MAP kinases. MAPKK homologues have been found in yeast, invertebrates, amphibians, and mammals. Moreover, the MAPKK/MAPK phosphorylation switch constitutes a basic module activated in distinct pathways in yeast and in vertebrates. MAPKKs are essential transducers through which signals must pass before reaching the nucleus. For review, see, e.g., Biologique *Biol Cell* (1993) 79:193-207; Nishida *et al.*, *Trends Biochem Sci* (1993) 18:128-31; Ruderman *Curr Opin Cell Biol* (1993) 5:207-13; Dhanasekaran *et al.*, *Oncogene* (1998) 17:1447-55; Kiefer *et al.*, *Biochem Soc Trans* (1997) 25:491-44.

Neurotransmitter-Gated Ion-Channel (neur_chan). Several of the sequences correspond to a sequence encoding a neurotransmitter-gated ion channel. Neurotransmitter-gated ion-channels, which provide the molecular basis for rapid signal transmission at chemical synapses, are post-synaptic oligomeric transmembrane complexes that transiently form a ionic channel upon the binding of a specific neurotransmitter. Five types of neurotransmitter-gated receptors are known: 1) nicotinic acetylcholine receptor (AChR); 2) glycine receptor; 3) gamma-aminobutyric acid (GABA) receptor; 4) serotonin 5HT₃ receptor; and 5) glutamate receptor. All known sequences of subunits from neurotransmitter-gated ion-channels are structurally related, and are composed of a large extracellular glycosylated N-terminal ligand-binding domain, followed by three hydrophobic transmembrane regions that form the ionic channel, followed by an intracellular region of variable length. A fourth hydrophobic region is found at the C-terminal of the sequence. The consensus pattern is: C-x-[LIVMFQ]-x-[LIVMF]-x(2)-[FY]-P-x-D-x(3)-C, where the two C's are linked by a disulfide bond.

Protein Kinase (protkinase). Several sequences represent polynucleotides encoding protein kinases, which catalyze phosphorylation of proteins in a variety of pathways, and are implicated in cancer. Eukaryotic protein kinases (Hanks, *et al.*, *FASEB J.* (1995) 9:576; Hunter, *Meth. Enzymol.* (1991) 200:3; Hanks, *et al.*, *Meth. Enzymol.* (1991) 200:38; Hanks, *Curr. Opin. Struct. Biol.* (1991) 1:369; Hanks *et al.*, *Science* (1988) 241:42) belong to a very extensive family of proteins that share a conserved catalytic core common to both serine/threonine and tyrosine protein kinases. There are a number of conserved regions in the catalytic domain of protein kinases. The first region, located in the N-terminal extremity of the catalytic domain, is a glycine-rich stretch of residues in the vicinity of a lysine residue, which has been shown to be involved in ATP binding. The second region, located in the central part of the catalytic domain, contains a conserved an aspartic acid residue that is important for the catalytic activity of the enzyme (Knighton, *et al.*, *Science* (1991) 253:407).

The protein kinase profile includes two signature patterns for this second region: one

specific for serine/threonine kinases and the other for tyrosine kinases. A third profile is based on the alignment in (Hanks, *et al.*, *FASEB J.* (1995) 9:576) and covers the entire catalytic domain. The consensus patterns are as follows: 1) [LIV]-G-{P}-G-{P}-[FYWMGSTNH]-[SGA]-{PW}-[LIVCAT]-{PD}-x-[GSTACLIVMFY]-x(5,18)-[LIVMFYWCSTAR]-[AIVP]-[LIVMFAGCKR]-K, where K binds ATP; 2) [LIVMFYC]-x-[HY]-x-D-[LIVMFY]-K-x(2)-N-[LIVMFYCT](3), where D is an active site residue; and 3) [LIVMFYC]-x-[HY]-x-D-[LIVMFY]-[RSTAC]-x(2)-N-[LIVMFYC], where D is an active site residue.

Protein Tyrosine Phosphatase (Y_phosphatase) (PTPase). SEQ ID NOS: 1719, 1769, 2062, 2197, and 2275 represent polynucleotides encoding a tyrosine-specific protein phosphatase, a kinase that catalyzes the removal of a phosphate groups attached to a tyrosine residue (EC 3.1.3.48) (PTPase) (Fischer *et al.*, *Science* (1991) 253:401; Charbonneau *et al.*, *Annu. Rev. Cell Biol.* (1992) 8:463; Trowbridge *Biol. Chem.* (1991) 266:23517; Tonks *et al.*, *Trends Biochem. Sci.* (1989) 14:497; and Hunter, *Cell* (1989) 58:1013). PTPases are important in the control of cell growth, proliferation, differentiation and transformation. Multiple forms of PTPase have been characterized and can be classified into two categories: soluble PTPases and transmembrane receptor proteins that contain PTPase domain(s). Structurally, all known receptor PTPases are made up of a variable length extracellular domain, followed by a transmembrane region and a C-terminal catalytic cytoplasmic domain. PTPase domains consist of about 300 amino acids. Two conserved cysteines are absolutely required for activity, with a number of other conserved residues in the immediate vicinity also important for activity. The consensus pattern for PTPases is: [LIVMF]-H-C-x(2)-G-x(3)-[STC]-[STAGP]-x-[LIVMFY]; C is the active site residue.

RNA Recognition Motif (rrm). SEQ ID NOS: 1850 and 2194 correspond to sequence encoding an RNA recognition motif, also known as an RRM, RBD, or RNP domain. This domain, which is about 90 amino acids long, is contained in eukaryotic proteins that bind single-stranded RNA (Bandziulis *et al. Genes Dev.* (1989) 3:431-437; Dreyfuss *et al. Trends Biochem. Sci.* (1988) 13:86-91). Two regions within the RNA-binding domain are highly conserved: the first is a hydrophobic segment of six residues (which is called the RNP-2 motif), the second is an octapeptide motif (which is called RNP-1 or RNP-CS). The consensus pattern is: [RK]-G-{EDRKHPG}-[AGSCI]-[FY]-[LIVA]-x-[FYLM].

SH2 Domain (SH2). SEQ ID NO: 2441 corresponds to a sequence encoding an SH2 domain. The Src homology 2 (SH2) domain includes an approximately 100 amino acid residue domain, which is conserved in the oncoproteins Src and Fps, as well as in many other intracellular signal-transducing proteins (Sadowski *et al. Mol. Cell. Biol.* (1986) 6:4396-4408; Russel *et al. FEBS Lett.* (1992) 304:15-20). SH2 domains function as regulatory modules of intracellular signaling cascades by interacting with high affinity to phosphotyrosine-containing target peptides in

a sequence-specific and strictly phosphorylation-dependent manner. The SH2 domain has a conserved 3D structure consisting of two alpha helices and six to seven beta-strands. The core of the domain is formed by a continuous beta-meander composed of two connected beta-sheets (Kuriyan et al. *Curr. Opin. Struct. Biol.* (1993) 3:828-837).

5 Thioredoxin family active site (Thioredoxin). SEQ ID NO: 1618 represents a polynucleotide encoding a protein of the thioredoxin family. Thioredoxins are small proteins of approximately one hundred amino acid residues that participate in various redox reactions via the reversible oxidation of an active center disulfide bond (Holmgren. *Annu. Rev. Biochem.* (1985) 54:237; Gleason, et al., *FEMS Microbiol. Rev.* (1988) 54:271; Holmgren A. *J. Biol. Chem.* (1989) 264:13963; Eklund, et al. 10 *Proteins* (1991) 11:13). Thioredoxins exist in either reduced or oxidized forms where the two cysteine residues are linked in an intramolecular disulfide bond. The sequence around the redox-active disulfide bond is well conserved. The consensus pattern is: [LIVMF]-[LIVMSTA]-x-[LIVMFYC]-[FYWSTHE]-x(2)-[FYWGTN]-C-[GATPLVE]-[PHYWSTA]-C-x(6)-[LIVMFYWT] (where the two C's form the redox-active bond).

15 Trypsin (trypsin). SEQ ID NOS: 1579, 2290, 2341, 2421, 2430, and 2438 correspond to novel serine proteases of the trypsin family. The catalytic activity of the serine proteases from the trypsin family is provided by a charge relay system involving an aspartic acid residue hydrogen-bonded to a histidine, which itself is hydrogen-bonded to a serine. The sequences in the vicinity of the active site serine and histidine residues are well conserved (Brenner *Nature* (1988) 334:528). 20 The consensus patterns for the trypsin protein family are: 1) [LIVM]-[ST]-A-[STAG]-H-C, where H is the active site residue; and 2) [DNSTAGC]-[GSTAPIMVQH]-x(2)-G-[DE]-S-G-[GS]-[SAPHV]-[LIVMFYWH]-[LIVMFYSTANQH], where S is the active site residue. All sequences known to belong to this family are detected by the above consensus sequences, except for 18 different proteases which have lost the first conserved glycine. If a protein includes both the serine and the 25 histidine active site signatures, the probability of it being a trypsin family serine protease is 100%.

WD Domain, G-Beta Repeats (WD domain). SEQ ID NO: 2281 represents a members of the WD domain/G-beta repeat family. Beta-transducin (G-beta) is one of the three subunits (alpha, beta, and gamma) of the guanine nucleotide-binding proteins (G proteins) which act as intermediaries in the transduction of signals generated by transmembrane receptors (Gilman, *Annu. 30 Rev. Biochem.* (1987) 56:615). The alpha subunit binds to and hydrolyzes GTP; the beta and gamma subunits are required for the replacement of GDP by GTP as well as for membrane anchoring and receptor recognition. In higher eukaryotes, G-beta exists as a small multigene family of highly conserved proteins of about 340 amino acid residues. Structurally, G-beta has eight tandem repeats of about 40 residues, each containing a central Trp-Asp motif (this type of repeat is sometimes 35 called a WD-40 repeat). The consensus pattern for the WD domain/G-Beta repeat family is:

[LIVMSTAC]-[LIVMFYWSTAGC]-[LIMSTAG]-[LIVMSTAGC]-x(2)-[DN]-x(2)-
[LIVMWSTAC]-x-[LIVMFSTAG]-W-[DEN]-[LIVMFSTAGCN].

wnt Family of Developmental Signaling Proteins (Wnt dev. sign). Several of the sequences correspond to novel members of the wnt family of developmental signaling proteins. Wnt-1 (previously known as int-1), the seminal member of this family, (Nusse, *Trends Genet.* (1988) 4:291) plays a role in intercellular communication and is important in central nervous system development. All wnt family proteins share the following features characteristic of secretory proteins: a signal peptide, several potential N-glycosylation sites and 22 conserved cysteines that may be involved in disulfide bonds. Wnt proteins generally adhere to the plasma membrane of secreting cells and are therefore likely to signal over only few cell diameters. The consensus pattern, which is based upon a highly conserved region including three cysteines, is as follows: C-K-C-H-G-[LIVMT]-S-G-x-C.

Zinc Finger, C2H2 Type (Zincfinger C2H2). SEQ ID NOS: 1735, 1942, 2018, 2254, and 2515 correspond to polynucleotides encoding members of the C2H2 type zinc finger protein family, which contain zinc finger domains that facilitate nucleic acid binding (Klug *et al.*, *Trends Biochem. Sci.* (1987) 12:464; Evans *et al.*, *Cell* (1988) 52:1; Payre *et al.*, *FEBS Lett.* (1988) 234:245; Miller *et al.*, *EMBO J.* (1985) 4:1609; and Berg, *Proc. Natl. Acad. Sci. USA* (1988) 85:99). In addition to the conserved zinc ligand residues, a number of other positions are also important for the structural integrity of the C2H2 zinc fingers. (Rosenfeld *et al.*, *J. Biomol. Struct. Dyn.* (1993) 11:557) The best conserved position, which is generally an aromatic or aliphatic residue, is located four residues after the second cysteine. The consensus pattern for C2H2 zinc fingers is: C-x(2,4)-C-x(3)-[LIVMFYWC]-x(8)-H-x(3,5)-H. The two C's and two H's are zinc ligands.

Example 4: Differential Expression of Polynucleotides of the Invention: Description of Libraries and Detection of Differential Expression

The relative expression levels of the polynucleotides of the invention was assessed in several libraries prepared from various sources, including cell lines and patient tissue samples. Table 4 provides a summary of these libraries, including the shortened library name (used hereafter), the mRNA source used to prepared the cDNA library, the "nickname" of the library that is used in the tables below (in quotes), and the approximate number of clones in the library.

Table 4. Description of cDNA Libraries

Library (lib #)	Description	Number of Clones in Cluster
1	Km12 L4 Human Colon Cell Line, High Metastatic Potential (derived from Km12C); "High Met Colon"	307133

Library (lib #)	Description	Number of Clones in Cluster
2	Km12C Human Colon Cell Line. Low Metastatic Potential: "Low Met Colon"	284755
3	MDA-MB-231 Human Breast Cancer Cell Line. High Metastatic Potential: micro- metastases in lung: "High Met Breast"	326937
4	MCF7 Human Breast Cancer Cell. Non Metastatic: "Low Met Breast"	318979
8	MV-522 Human Lung Cancer Cell Line. High Metastatic Potential: "High Met Lung"	223620
9	UCP-3 Human Lung Cancer Cell Line. Low Metastatic Potential: "Low Met Lung"	312503
12	Human microvascular endothelial cells (HMEC) – Untreated PCR (OligodT) cDNA library; "HMEC"	41938
13	Human microvascular endothelial cells (HMEC) – Basic fibroblast growth factor (bFGF) treated PCR (OligodT) cDNA library; "HMEC-bFGF"	42100
14	Human microvascular endothelial cells (HMEC) – Vascular endothelial growth factor (VEGF) treated PCR (OligodT) cDNA library; "HMEC-VEGF"	42825
15	Normal Colon – UC#2 Patient PCR (OligodT) cDNA library; "Normal Colon Tissue"	282722
16	Colon Tumor – UC#2 Patient PCR (OligodT) cDNA library; "Normal Colon Tumor Tissue"	298831
17	Liver Metastasis from Colon Tumor of UC#2 Patient PCR (OligodT) cDNA library; "High Met Colon Tissue"	303467
18	Normal Colon – UC#3 Patient PCR (OligodT) cDNA library; "Normal Colon Tissue"	36216
19	Colon Tumor – UC#3 Patient PCR (OligodT) cDNA library; "Colon Tumor Tissue"	41388
20	Liver Metastasis from Colon Tumor of UC#3 Patient PCR (OligodT) cDNA library; "High Met Colon Tissue"	30956
21	GRRpz Human Prostate Cell Line: "Normal Prostate"	164801
22	Woca Human Prostate Cancer Cell Line: "Prostate Cancer"	162088

The KM12L4, KM12C, and MDA-MB-231 cell lines are described in Example 1 above. The MCF7 cell line was derived from a pleural effusion of a breast adenocarcinoma and is non-metastatic. The MV-522 cell line is derived from a human lung carcinoma and is of high metastatic potential. The UCP-3 cell line is a low metastatic human lung carcinoma cell line; the MV-522 is a high metastatic variant of UCP-3. These cell lines are well-recognized in the art as models for the study of human breast and lung cancer (see, e.g., Chandrasekaran *et al.*, *Cancer Res.* (1979) 39:870 (MDA-MB-231 and MCF-7); Gastpar *et al.*, *J Med Chem* (1998) 41:4965 (MDA-MB-231 and

MCF-7): Ranson *et al.*, *Br J Cancer* (1998) 77:1586 (MDA-MB-231 and MCF-7); Kuang *et al.*, *Nucleic Acids Res* (1998) 26:1116 (MDA-MB-231 and MCF-7); Varki *et al.*, *Int J Cancer* (1987) 40:46 (UCP-3); Varki *et al.*, *Tumour Biol.* (1990) 11:327; (MV-522 and UCP-3); Varki *et al.*, *Anticancer Res.* (1990) 10:637; (MV-522); Kelner *et al.*, *Anticancer Res* (1995) 15:867 (MV-522); and Zhang *et al.*, *Anticancer Drugs* (1997) 8:696 (MV522)). The samples of libraries 15-20 are derived from two different patients (UC#2, and UC#3). The bFGF-treated HMEC were prepared by incubation with bFGF at 10ng/ml for 2 hrs; the VEGF-treated HMEC were prepared by incubation with 20ng/ml VEGF for 2 hrs. Following incubation with the respective growth factor, the cells were washed and lysis buffer added for RNA preparation. The GRRpz and WOca cell lines were provided by Dr. Donna M. Peehl, Department of Medicine, Stanford University School of Medicine. GRRpz was derived from normal prostate epithelium. The WOca cell line is a Gleason Grade 4 cell line.

Each of the libraries is composed of a collection of cDNA clones that in turn are representative of the mRNAs expressed in the indicated mRNA source. In order to facilitate the analysis of the millions of sequences in each library, the sequences were assigned to clusters. The concept of "cluster of clones" is derived from a sorting/grouping of cDNA clones based on their hybridization pattern to a panel of roughly 300 7bp oligonucleotide probes (see Drmanac *et al.*, *Genomics* (1996) 37(1):29). Random cDNA clones from a tissue library are hybridized at moderate stringency to 300 7bp oligonucleotides. Each oligonucleotide has some measure of specific hybridization to that specific clone. The combination of 300 of these measures of hybridization for 300 probes equals the "hybridization signature" for a specific clone. Clones with similar sequence will have similar hybridization signatures. By developing a sorting/grouping algorithm to analyze these signatures, groups of clones in a library can be identified and brought together computationally. These groups of clones are termed "clusters". Depending on the stringency of the selection in the algorithm (similar to the stringency of hybridization in a classic library cDNA screening protocol), the "purity" of each cluster can be controlled. For example, artifacts of clustering may occur in computational clustering just as artifacts can occur in "wet-lab" screening of a cDNA library with 400 bp cDNA fragments, at even the highest stringency. The stringency used in the implementation of cluster herein provides groups of clones that are in general from the same cDNA or closely related cDNAs. Closely related clones can be a result of different length clones of the same cDNA, closely related clones from highly related gene families, or splice variants of the same cDNA.

Differential expression for a selected cluster was assessed by first determining the number of cDNA clones corresponding to the selected cluster in the first library (Clones in 1st), and the determining the number of cDNA clones corresponding to the selected cluster in the second library

(Clones in 2nd). Differential expression of the selected cluster in the first library relative to the second library is expressed as a "ratio" of percent expression between the two libraries. In general, the "ratio" is calculated by: 1) calculating the percent expression of the selected cluster in the first library by dividing the number of clones corresponding to a selected cluster in the first library by the total number of clones analyzed from the first library; 2) calculating the percent expression of the selected cluster in the second library by dividing the number of clones corresponding to a selected cluster in a second library by the total number of clones analyzed from the second library; 3) dividing the calculated percent expression from the first library by the calculated percent expression from the second library. If the "number of clones" corresponding to a selected cluster in a library is zero, the value is set at 1 to aid in calculation. The formula used in calculating the ratio takes into account the "depth" of each of the libraries being compared, *i.e.*, the total number of clones analyzed in each library.

In general, a polynucleotide is said to be significantly differentially expressed between two samples when the ratio value is greater than at least about 2, preferably greater than at least about 3, more preferably greater than at least about 5, where the ratio value is calculated using the method described above. The significance of differential expression is determined using a z score test (Zar, Biostatistical Analysis, Prentice Hall, Inc., USA, "Differences between Proportions," pp 296-298 (1974).

20 Examples 5-12: Differential Expression of Polynucleotides of the Invention

A number of polynucleotide sequences have been identified that are differentially expressed between, for example, cells derived from high metastatic potential cancer tissue and low metastatic cancer cells, and between cells derived from high metastatic potential cancer tissue and normal tissue. Evaluation of the levels of expression of the genes corresponding to these sequences can be valuable in diagnosis, prognosis, and/or treatment (*e.g.*, to facilitate rationale design of therapy, monitoring during and after therapy, *etc.*). Moreover, the genes corresponding to differentially expressed sequences described herein can be therapeutic targets due to their involvement in regulation (*e.g.*, inhibition or promotion) of development of, for example, the metastatic phenotype. For example, sequences that correspond to genes that are increased in expression in high metastatic potential cells relative to normal or non-metastatic tumor cells may encode genes or regulatory sequences involved in processes such as angiogenesis, differentiation, cell replication, and metastasis.

Detection of the relative expression levels of differentially expressed polynucleotides described herein can provide valuable information to guide the clinician in the choice of therapy. For example, a patient sample exhibiting an expression level of one or more of these polynucleotides

that corresponds to a gene that is increased in expression in metastatic or high metastatic potential cells may warrant more aggressive treatment for the patient. In contrast, detection of expression levels of a polynucleotide sequence that corresponds to expression levels associated with that of low metastatic potential cells may warrant a more positive prognosis than the gross pathology would suggest.

A number of polynucleotide sequences of the present invention are differentially expressed between human microvascular endothelial cells (HMEC) that have been treated with growth factors relative to untreated HMEC. Sequences that are differentially expressed between growth factor-treated HMEC and untreated HMEC can represent sequences encoding gene products involved in angiogenesis, metastasis (cell migration), and other development and oncogenic processes. For example, sequences that are more highly expressed in HMEC treated with growth factors (such as bFGF or VEGF) relative to untreated HMEC can serve as markers of cancer cells of higher metastatic potential. Detection of expression of these sequences in colon cancer tissue can be valuable in determining diagnostic, prognostic and/or treatment information associated with the prevention of achieving the malignant state in these tissues, and can be important in risk assessment for a patient. A patient sample displaying an increased level of one or more of these polynucleotides may thus warrant closer attention or more frequent screening procedures to catch the malignant state as early as possible.

The differential expression of the polynucleotides described herein can thus be used as, for example, diagnostic markers, prognostic markers, for risk assessment, patient treatment and the like. These polynucleotide sequences can also be used in combination with other known molecular and/or biochemical markers. The following examples provide relative expression levels of polynucleotides from specified cell lines and patient tissue samples.

Example 5: High Metastatic Potential Breast Cancer Versus Low Metastatic Breast Cancer Cells

The following tables summarize polynucleotides that represent genes that are differentially expressed between high metastatic potential and low metastatic potential breast cancer cells.

Table 5. High metastatic potential breast (lib3) > low metastatic potential (lib4) breast cancer cells

SEQ ID NO:	Lib3 Clones	Lib4 Clones	Lib3/Lib4
1213	40	0	39
1538	60	3	20
1466	14	0	14
1356	10	0	10
1383	10	1	10
1158	10	1	10
441	10	1	10
1338	10	0	10
1426	19	2	9

SEQ ID NO:	Lib3 Clones	Lib4 Clones	Lib3/Lib4
1547	9	1	9
1313	8	1	8
841	8	1	8
1534	8	0	8
1503	8	0	8
829	8	1	8
1408	8	0	8
1447	7	0	7
1389	7	0	7
356	7	0	7
1492	7	0	7
1543	22	3	7
799	7	0	7
1437	6	0	6
1251	6	0	6
972	18	3	6
1482	6	0	6
1299	6	0	6
109	24	4	6
1558	6	0	6
1355	6	0	6
1548	11	2	5
250	10	2	5
919	26	6	4
358	36	12	3
1525	75	28	3
1157	49	17	3

Table 6. Low metastatic potential breast (lib4) > high metastatic potential breast cancer cells (lib3)

SEQ ID NO:	Lib3 Clones	Lib4 Clones	Lib4/Lib3
248	0	58	59
726	1	23	24
14	1	19	19
699	0	14	14
763	1	14	14
20	1	13	13
79	1	13	13
715	0	10	10
991	0	8	8
1199	0	8	8
707	0	7	7
1128	4	26	7
891	0	6	6
1146	2	11	6
731	7	44	6
1518	3	15	5
340	3	13	4
949	4	13	3

SEQ ID NO:	Lib3 Clones	Lib4 Clones	Lib4/Lib3
1247	7	18	3
1185	497	1216	3

Example 6: High Metastatic Potential Lung Cancer Versus Low Metastatic Lung Cancer Cells

The following summarizes polynucleotides that represent genes differentially expressed between high metastatic potential lung cancer cells and low metastatic potential lung cancer cells:

5 **Table 7. High metastatic potential lung (lib8) > low metastatic potential lung (lib9) lung cancer cells**

SEQ ID NO:	Lib8 Clones	Lib9 Clones	Lib8/Lib9
150	31	0	43
651	43	2	30
1298	14	1	20
57	11	0	15
625	7	0	10
1322	7	1	10
36	7	0	10
621	18	3	8
215	6	1	8
561	19	4	7
247	5	0	7
199	5	0	7
998	5	0	7
502	5	0	7
1382	8	2	6
1181	17	4	6
1309	8	2	6
1157	15	4	5
1260	14	5	4
1185	710	266	4
1525	21	10	3

Table 8. Low metastatic potential lung (lib9) > high metastatic potential lung (lib8) cancer cells

SEQ ID NO:	Lib8 Clones	Lib9 Clones	Lib9/Lib8
924	1	13	9
822	1	13	9
728	1	12	9
341	1	12	9
1527	3	31	7
698	4	26	5
949	2	15	5
744	3	23	5
973	8	27	2

Example 7: High Metastatic Potential Colon Cancer Versus Low Metastatic Colon Cancer Cells

Tables 9 and 10 summarize polynucleotides that represent genes differentially expressed between high metastatic potential and low metastatic potential colon cancer cells:

5 Table 9. High metastatic potential (lib1) > low metastatic potential (lib2) colon cancer cells

SEQ ID NO:	Lib1 Clones	Lib2 Clones	Lib1/Lib2
248	67	2	31
87	12	0	11
698	11	0	10
57	13	3	4
924	24	10	2
1249	24	9	2

Table 10. Low metastatic potential (lib2) > high metastatic potential colon cancer (lib1) cells

SEQ ID NO:	Lib1 Clones	Lib2 Clones	Lib2/Lib1
1268	1	17	18
1114	0	15	16
1032	1	14	15
109	5	60	13
973	1	11	12
91	1	11	12
982	0	9	10
1267	3	28	10
93	1	8	9
1556	1	8	9
1251	0	8	9
1206	2	17	9
812	0	8	9
1254	0	7	8
1220	0	7	8
766	0	7	8
1156	0	7	8
1007	0	7	8
981	0	7	8
762	0	7	8
876	0	6	6
1234	2	11	6
1183	0	6	6
1044	2	12	6
785	0	6	6
1069	3	17	6
770	0	6	6
778	0	6	6
792	0	6	6
822	2	10	5
1258	7	23	4
1224	7	17	3

SEQ ID NO:	Lib1 Clones	Lib2 Clones	Lib2/Lib1
984	8	19	3
841	10	28	3
339	14	34	3
1213	11	29	3
1201	5	14	3
1192	22	48	2

Example 8: High Metastatic Potential Colon Cancer Patient Tissue Vs. Normal Patient Tissue

Tables 11 summarizes polynucleotides that represent genes differentially expressed between high metastatic potential colon cancer cells and normal colon cells of patient tissue. :

5 **Table 11. High metastatic potential colon tissue (lib17) vs. normal colon tissue (lib15)**

SEQ ID NO:	Lib15 Clones	Lib17 Clones	Lib17/Lib15
1422	1	13	12
1132	1	10	9
730	1	9	8
1311	0	7	7
78	9	48	5
822	5	20	4
SEQ ID NO:	Lib15 Clones	Lib17 Clones	Lib15/Lib17
463	8	1	9

Example 9: High Tumor Potential Colon Tissue Vs. Metastasized Colon Cancer Tissue

The following table summarizes polynucleotides that represent genes differentially expressed between high tumor potential colon cancer cells and cells derived from high metastatic potential colon cancer cells of a patient.

10 **Table 12. High tumor potential colon tissue (lib16) vs. high metastatic colon tissue (lib17)**

SEQ ID NO:	Lib16 Clones	Lib17 Clones	Lib16/Lib17
1185	14	4	4
SEQ ID NO:	Lib16 Clones	Lib17 Clones	Lib17/Lib16
822	2	20	10

Example 10: High Tumor Potential Colon Cancer Patient Tissue Versus Normal Patient Tissue

Tables 13 and 14 summarize polynucleotides that represent genes differentially expressed between high metastatic potential colon cancer cells and normal colon cells in patient tissue:

15 **Table 13. Higher expression in tumor potential colon tissue (lib16) vs. normal colon tissue (lib15)**

SEQ ID NO:	Lib15 Clones	Lib16 Clones	Lib16/Lib15
1311	0	8	8
78	9	28	3

Table 14. Higher expression in normal colon tissue (lib15) vs. tumor potential colon tissue (lib16)

SEQ ID NO:	Lib15 Clones	Lib16 Clones	Lib15/Lib16
463	8	0	8
1099	12	3	4

Example 11: Growth Factor-Stimulated Human Microvascular Endothelial Cells (HMEC)

5 Relative to Untreated HMEC

The following tables summarize polynucleotides that represent genes differentially expressed between growth factor-treated and untreated HMEC.

Table 15. Higher expression in bFGF treated HMEC (lib13) vs. untreated HMEC (lib12)

SEQ ID NO:	Lib12 Clones	Lib13 Clones	Lib13/Lib12
1520	9	23	3
1538	17	35	2

10 **Table 16.** Higher expression in VEGF treated HMEC (lib14) vs. untreated HMEC (lib12)

SEQ ID NO:	Lib12 Clones	Lib14 Clones	Lib14/Lib12
1154	2	12	6
1226	2	10	5
1538	17	38	2

Example 12: Polynucleotides Differentially Expressed in Human Prostate Cancer Cells Relative to Normal Human Prostate Cells

The following tables summarize identified polynucleotides that represent genes differentially expressed between prostate cancer cells and normal prostate cells:

15 **Table 17.** Higher expression in normal prostate cells (lib21) relative to prostate cancer cells (lib22)

SEQ ID NO:	Lib21 Clones	Lib22 Clones	Lib21/Lib22
1525	6	0	6
248	116	51	2
1203	22	9	2

Table 18 Higher expression in prostate cancer cells (lib22) relative to normal prostate cells (lib21)

SEQ ID NO:	Lib21 Clones	Lib22 Clones	Lib22/Lib21
1213	0	34	35
340	1	12	12
699	0	11	11

20 **Example 13:** Differential Expression Across Multiple Libraries

A number of polynucleotide sequences have been identified that represent genes that are differentially expressed across multiple libraries. Expression of these sequences in a tissue or any

origin can be valuable in determining diagnostic, prognostic and/or treatment information associated with the prevention of achieving the malignant state in these tissues, and can be important in risk assessment for a patient. These polynucleotides can also serve as non-tissue specific markers of, for example, risk of metastasis of a tumor. Table 19 summarizes this data.

5

Table 19. Genes Differentially Expressed Across Multiple Library Comparisons

SEQ ID NO:	Cell or Tissue Sample and Cancer State Compared	Ratio
57	High Met Lung (lib8) > Low Met Lung (lib9)	15
57	High Met Colon (lib1) > Low Met Colon (lib2)	4
78	High Met Colon Tissue (lib17) > Normal Colon Tissue (lib15)	5
78	Normal Colon Tumor Tissue (lib16) > Normal Colon Tissue (lib15)	3
109	High Met Breast (lib3) > Low Met Breast (lib4)	6
109	Low Met Colon (lib2) > High Met Colon (lib1)	13
248	High Met Colon (lib1) > Low Met Colon (lib2)	31
248	Normal Prostate (lib21) > Prostate Cancer (lib22)	2
248	Low Met Breast (lib4) > High Met Breast (lib3)	59
340	Prostate Cancer (lib22) > Normal Prostate (lib21)	12
340	Low Met Breast (lib4) > High Met Breast (lib3)	4
463	Normal Colon Tissue (lib15) > High Met Colon Tissue (lib17)	9
463	Normal Colon Tissue (lib15) > Normal Colon Tumor Tissue (lib16)	8
698	High Met Colon (lib1) > Low Met Colon (lib2)	10
698	Low Met Lung (lib9) > High Met Lung (lib8)	5
699	Low Met Breast (lib4) > High Met Breast (lib3)	14
699	Prostate Cancer (lib22) > Normal Prostate (lib21)	11
822	High Met Colon Tissue (lib17) > Normal Colon Tumor Tissue (lib16)	10
822	Low Met Lung (lib9) > High Met Lung (lib8)	9
822	Low Met Colon (lib2) > High Met Colon (lib1)	5
822	High Met Colon Tissue (lib17) > Normal Colon Tissue (lib15)	4
841	High Met Breast (lib3) > Low Met Breast (lib4)	8
841	Low Met Colon (lib2) > High Met Colon (lib1)	3
924	High Met Colon (lib1) > Low Met Colon (lib2)	2
924	Low Met Lung (lib9) > High Met Lung (lib8)	9
949	Low Met Lung (lib9) > High Met Lung (lib8)	5
949	Low Met Breast (lib4) > High Met Breast (lib3)	3
973	Low Met Colon (lib2) > High Met Colon (lib1)	12
973	Low Met Lung (lib9) > High Met Lung (lib8)	2
1157	High Met Lung (lib8) > Low Met Lung (lib9)	5
1157	High Met Breast (lib3) > Low Met Breast (lib4)	3
1185	Normal Colon Tumor Tissue (lib16) > High Met Colon Tissue (lib17)	4
1185	High Met Lung (lib8) > Low Met Lung (lib9)	4
1185	Low Met Breast (lib4) > High Met Breast (lib3)	3
1213	High Met Breast (lib3) > Low Met Breast (lib4)	39
1213	Prostate Cancer (lib22) > Normal Prostate (lib21)	35
1213	Low Met Colon (lib2) > High Met Colon (lib1)	3
1251	High Met Breast (lib3) > Low Met Breast (lib4)	6
1251	Low Met Colon (lib2) > High Met Colon (lib1)	9
1311	Normal Colon Tumor Tissue (lib16) > Normal Colon Tissue (lib15)	8

SEQ ID NO:	Cell or Tissue Sample and Cancer State Compared	Ratio
1311	High Met Colon Tissue (lib17) > Normal Colon Tissue (lib15)	7
1525	Normal Prostate (lib21) > Prostate Cancer (lib22)	6
1525	High Met Lung (lib8) > Low Met Lung (lib9)	3
1525	High Met Breast (lib3) > Low Met Breast (lib4)	3
1538	High Met Breast (lib3) > Low Met Breast (lib4)	20
1538	HMEC-VEGF (lib14) > HMEC (lib12)	2
1538	HMEC-bFGF (lib13) > HMEC (lib12)	2

Key for Table 19: High Met = high metastatic potential; Low Met = low metastatic potential; met = metastasized; tumor = non-metastasized tumor; HMEC = human microvascular endothelial cell; bFGF = bFGF treated; VEGF = VEGF treated.

5 **Example 14: Identification of Contiguous Sequences Having a Polynucleotide of the Invention**

The novel polynucleotides were used to screen publicly available and proprietary databases to determine if any of the polynucleotides of SEQ ID NOS:2611-2707 would facilitate identification of a contiguous sequence, *e.g.*, the polynucleotides would provide sequence that would result in 5' extension of another DNA sequence, resulting in production of a longer contiguous sequence

10 composed of the provided polynucleotide and the other DNA sequence(s). Contigging was performed using the Gelmerge application (default settings) of GCG from the Univ. of Wisconsin.

Using these parameters, 97 contigged sequences were generated. These contigged sequences are provided as SEQ ID NOS:2611-2707 (see Table 1C). Table 1C provides the SEQ ID NO of the contig sequence, the name of the sequence used to create the contig, and the accession number of the

15 publicly available tentative human consensus (THC) sequence used with the sequence of the corresponding sequence name to provide the contig. The sequence name of Table 1C can be correlated with the SEQ ID NO: of the polynucleotide of the invention using Tables 1A and 1B.

The contigged sequences (SEQ ID NOS:2611-2707) thus represent longer sequences that encompass a polynucleotide sequence of the invention. The contigged sequences were then translated

20 in all three reading frames to determine the best alignment with individual sequences using the BLAST programs as described above. The sequences were masked using the XBLAST program for masking low complexity as described above in Example 1. Several of the contigged sequences were found to encode polypeptides having characteristics of a polypeptide belonging to a known protein families (and thus represent new members of these protein families) and/or comprising a known

25 functional domain (Table 3B, inserted prior to claims). Thus the invention encompasses fragments, fusions, and variants of such polynucleotides that retain biological activity associated with the protein family and/or functional domain identified herein.

Descriptions of the profiles for the indicated protein families and functional domains are provided in Example 3 above. A description of the profile for PR55 is provided below.

Protein Phosphatase 2A Regulatory Subunit PR55 (PR55). Several of the contigs correspond to a sequence encoding a protein comprising a protein phosphatase 2A (PP2A) regulatory subunit PR55. PP2A is a serine/threonine phosphatase involved in many aspects of cellular function including the regulation of metabolic enzymes and proteins involved in signal transduction. PP2A is a trimeric enzyme comprising a core composed of a catalytic subunit associated with a 65 Kd regulatory subunit (PR65, also called subunit A). This complex associates with a third variable subunit (subunit B), which confers distinct properties to the holoenzyme (Mayer-Jaekel et al. *Trends Cell Biol.* (1994) 4:287-291). One of the forms of the variable subunit is a 55 Kd protein (PR55) which is highly conserved in mammals and may facilitate substrate recognition or targeting the enzyme complex to the appropriate subcellular compartment. The PR55 subunit comprises two conserved sequences of 15 residues; one located in the N-terminal region, the other in the center of the protein. The consensus patterns are: E-F-D-Y-L-K-S-L-E-I-E-E-K-I-N; and N-[AG]-H-[TA]-Y-H-I-N-S-I-S-[LIVM]-N-S-D.

Those skilled in the art will recognize, or be able to ascertain, using not more than routine experimentation, many equivalents to the specific embodiments of the invention described herein. Such specific embodiments and equivalents are intended to be encompassed by the following claims.

All publications and patent applications cited in this specification are herein incorporated by reference as if each individual publication or patent application were specifically and individually indicated to be incorporated by reference. The citation of any publication is for its disclosure prior to the filing date and should not be construed as an admission that the present invention is not entitled to antedate such publication by virtue of prior invention.

Although the foregoing invention has been described in some detail by way of illustration and example for purposes of clarity of understanding, it is readily apparent to those of ordinary skill in the art in light of the teachings of this invention that certain changes and modifications may be made thereto without departing from the spirit or scope of the appended claims.

Deposit Information. The following materials were deposited with the American Type Culture Collection (CMCC = Chiron Master Culture Collection).

Table 20. Cell Lines Deposited with ATCC

Cell Line	Deposit Date	ATCC Accession No.	CMCC Accession No.
KM12L4-A	March 19, 1998	CRL-12496	11606
Km12C	May 15, 1998	CRL-12533	11611
MDA-MB-231	May 15, 1998	CRL-12532	10583
MCF-7	October 9, 1998	CRL-12584	10377

In addition, pools of selected clones, as well as libraries containing specific clones, were assigned an "ES" number (internal reference) and deposited with the ATCC. Table 21 below provides the ATCC Accession Nos. of the ES deposits, all of which were deposited on or before May 13, 1999. The names of the clones contained within each of these deposits are provided in the tables numbered 22 and greater (inserted before the claims).

Table 21: Pools of Clones and Libraries Deposited with ATCC on or before May 14, 1999

ES #	ATCC Accession #	ES #	ATCC Accession #	ES #	ATCC Accession #
34		41		48	
35		42		49	
36		43		50	
37		44		51	
38		45		52	
39		46		53	
40		47		54	

The deposits described herein are provided merely as convenience to those of skill in the art, and is not an admission that a deposit is required under 35 U.S.C. §112. The sequence of the polynucleotides contained within the deposited material, as well as the amino acid sequence of the polypeptides encoded thereby, are incorporated herein by reference and are controlling in the event of any conflict with the written description of sequences herein. A license may be required to make, use, or sell the deposited material, and no such license is granted hereby.

Retrieval of Individual Clones from Deposit of Pooled Clones. Where the ATCC deposit is composed of a pool of cDNA clones or a library of cDNA clones, the deposit was prepared by first transfecting each of the clones into separate bacterial cells. The clones in the pool or library were then deposited as a pool of equal mixtures in the composite deposit. Particular clones can be obtained from the composite deposit using methods well known in the art. For example, a bacterial cell containing a particular clone can be identified by isolating single colonies, and identifying colonies containing the specific clone through standard colony hybridization techniques, using an oligonucleotide probe or probes designed to specifically hybridize to a sequence of the clone insert (e.g., a probe based upon unmasked sequence of the encoded polynucleotide having the indicated SEQ ID NO). The probe should be designed to have a T_m of approximately 80°C (assuming 2°C for each A or T and 4°C for each G or C). Positive colonies can then be picked, grown in culture, and the recombinant clone isolated. Alternatively, probes designed in this manner can be used to PCR to isolate a nucleic acid molecule from the pooled clones according to methods well known in the art, e.g., by purifying the cDNA from the deposited culture pool, and using the probes in PCR reactions to produce an amplified product having the corresponding desired polynucleotide sequence.

Table 1A

Priority Appln Information					
SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
1	5/14/98	1487	1	RTA00000608F.d.17.1	M00003981C:E04
2	5/14/98	1487	2	RTA00000589F.n.08.1	M00004182D:H03
3	5/14/98	1487	3	RTA00000589F.p.06.1	M00004223D:D07
4	5/14/98	1487	4	RTA00000597F.b.03.4	M00003770D:C07
5	5/14/98	1487	5	RTA00000608F.k.12.1	M00004029A:E01
6	5/14/98	1487	6	RTA00000585F.h.08.2	M00001432B:H08
7	5/14/98	1487	7	RTA00000585F.h.14.2	M00001433A:C07
8	5/14/98	1487	8	RTA00000609F.f.01.3	M00004060C:A02
9	5/14/98	1487	9	RTA00000588F.j.01.3	M00003835A:E03
10	5/14/98	1487	10	RTA00000596F.b.19.1	M00001663C:C03
11	5/14/98	1487	11	RTA00000585F.m.18.1	M00001444A:A09
12	5/14/98	1487	12	RTA00000596F.m.11.1	M00003753C:B01
13	5/14/98	1487	13	RTA00000589F.k.05.1	M00004133C:B02
14	5/14/98	1487	14	RTA00000589F.a.18.2	M00003984C:F04
15	5/14/98	1487	15	RTA00000585F.g.19.2	M00001431A:E05
16	5/14/98	1487	16	RTA00000595F.c.21.1	M00001598C:D10
17	5/14/98	1487	17	RTA00000584F.n.20.1	M00001406C:A11
18	5/14/98	1487	18	RTA00000611F.o.18.5	M00004204A:D04
19	5/14/98	1487	19	RTA00000597F.f.23.1	M00003787D:A06
20	5/14/98	1487	20	RTA00000585F.p.13.2	M00001452B:H06
21	5/14/98	1487	21	RTA00000583F.f.06.1	M00001348D:H08
22	5/14/98	1487	22	RTA00000585F.h.08.1	M00001432B:H08
23	5/14/98	1487	23	RTA00000589F.n.10.1	M00004184B:F11
24	5/14/98	1487	24	RTA00000614F.k.01.1	M00004465C:B12
25	5/14/98	1487	25	RTA00000587F.p.24.1	M00001584C:A03
26	5/14/98	1487	26	RTA00000587F.g.19.2	M00001548C:A09
27	5/14/98	1487	27	RTA00000612F.c.12.2	M00004222A:H10
28	5/14/98	1487	28	RTA00000589F.f.09.1	M00004064A:B12
29	5/14/98	1487	29	RTA00000586F.k.02.1	M00001490B:G04
30	5/14/98	1487	30	RTA00000609F.b.20.2	M00004050A:F02
31	5/14/98	1487	31	RTA00000584F.m.13.1	M00001402D:C07
32	5/14/98	1487	32	RTA00000614F.i.12.1	M00004447D:D10
33	5/14/98	1487	33	RTA00000608F.m.14.1	M00004035A:A10
34	5/14/98	1487	34	RTA00000608F.m.01.1	M00004033C:D10
35	5/14/98	1487	35	RTA00000597F.o.18.1	M00003819C:E04
36	5/14/98	1487	36	RTA00000584F.g.06.1	M00001390A:C06
37	5/14/98	1487	37	RTA00000609F.a.07.2	M00004046A:F04
38	5/14/98	1487	38	RTA00000607F.o.12.2	M00003961C:G02
39	5/14/98	1487	39	RTA00000597F.p.17.1	M00003821C:E04

Priority Appln Information

SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
40	5/14/98	1487	40	RTA00000609F.f.16.3	M00004063C:B11
41	5/14/98	1487	41	RTA00000584F.o.04.1	M00001407B:A08
42	5/14/98	1487	42	RTA00000608F.d.21.1	M00003982A:G03
43	5/14/98	1487	43	RTA00000614F.b.23.1	M00004389C:E01
44	5/14/98	1487	44	RTA00000612F.l.04.1	M00004268C:F08
45	5/14/98	1487	45	RTA00000611F.n.20.3	M00004200D:A07
46	5/14/98	1487	46	RTA00000608F.e.01.1	M00003982B:C10
47	5/14/98	1487	47	RTA00000585F.k.21.1	M00001439C:G06
48	5/14/98	1487	48	RTA00000589F.d.07.1	M00004037B:A09
49	5/14/98	1487	49	RTA00000614F.j.07.1	M00004460B:H09
50	5/14/98	1487	50	RTA00000614F.o.08.1	M00004508B:G02
51	5/14/98	1487	51	RTA00000608F.e.11.1	M00003983C:E07
52	5/14/98	1487	52	RTA00000589F.d.08.1	M00004037B:B05
53	5/14/98	1487	53	RTA00000614F.l.09.1	M00004491D:D07
54	5/14/98	1487	54	RTA00000607F.m.15.1	M00003949B:D05
55	5/14/98	1487	55	RTA00000609F.p.17.1	M00004093D:D09
56	5/14/98	1487	56	RTA00000583F.d.22.1	M00001346B:G03
57	5/14/98	1487	57	RTA00000589F.h.07.1	M00004081B:C11
58	5/14/98	1487	58	RTA00000611F.k.19.3	M00004191B:G01
59	5/14/98	1487	59	RTA00000595F.p.10.1	M00001654D:F06
60	5/14/98	1487	60	RTA00000609F.h.01.1	M00004068D:B01
61	5/14/98	1487	61	RTA00000612F.g.24.2	M00004244B:A02
62	5/14/98	1487	62	RTA00000608F.b.10.1	M00003975B:H09
63	5/14/98	1487	63	RTA00000587F.i.12.1	M00001555D:F11
64	5/14/98	1487	64	RTA00000610F.p.02.1	M00004152C:E01
65	5/14/98	1487	65	RTA00000608F.f.15.2	M00003987A:C07
66	5/14/98	1487	66	RTA00000614F.k.11.1	M00004467D:F09
67	5/14/98	1487	67	RTA00000612F.b.10.2	M00004216D:E10
68	5/14/98	1487	68	RTA00000606F.k.11.1	M00003864B:A04
69	5/14/98	1487	69	RTA00000583F.g.18.1	M00001352C:E01
70	5/14/98	1487	70	RTA00000585F.i.13.1	M00001435A:F03
71	5/14/98	1487	71	RTA00000612F.g.11.2	M00004240D:A07
72	5/14/98	1487	72	RTA00000607F.l.05.1	M00003936C:F10
73	5/14/98	1487	73	RTA00000610F.a.11.1	M00004097C:A03
74	5/14/98	1487	74	RTA00000596F.k.09.1	M00003746B:E12
75	5/14/98	1487	75	RTA00000611F.d.11.1	M00004169A:B11
76	5/14/98	1487	76	RTA00000588F.g.06.1	M00003797D:E10
77	5/14/98	1487	77	RTA00000595F.n.15.1	M00001648C:F06
78	5/14/98	1487	78	RTA00000584F.c.22.1	M00001382C:C09
79	5/14/98	1487	79	RTA00000585F.l.17.1	M00001441D:H05

Priority Appln Information

SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
80	5/14/98	1487	80	RTA00000608F.k.15.2	M00004029C:B03
81	5/14/98	1487	81	RTA00000597F.g.14.1	M00003789C:E03
82	5/14/98	1487	82	RTA00000588F.n.16.3	M00003906C:H12
83	5/14/98	1487	83	RTA00000606F.o.14.1	M00003886C:D10
84	5/14/98	1487	84	RTA00000608F.n.09.1	M00004037A:A07
85	5/14/98	1487	85	RTA00000613F.h.06.1	M00004329C:F11
86	5/14/98	1487	86	RTA00000587F.l.08.1	M00001564C:D04
87	5/14/98	1487	87	RTA00000590F.d.23.1	M00004350B:F06
88	5/14/98	1487	88	RTA00000609F.i.24.2	M00004073D:E01
89	5/14/98	1487	89	RTA00000614F.j.23.1	M00004465C:B10
90	5/14/98	1487	90	RTA00000587F.p.15.1	M00001582D:B10
91	5/14/98	1487	91	RTA00000640F.a.05.1	M00004190A:A09
92	5/14/98	1487	92	RTA00000609F.k.01.2	M00004077D:D10
93	5/14/98	1487	93	RTA00000589F.e.14.2	M00004054D:D02
94	5/14/98	1487	94	RTA00000586F.a.13.1	M00001455A:E09
95	5/14/98	1487	95	RTA00000590F.d.10.1	M00004337D:G08
96	5/14/98	1487	96	RTA00000608F.i.18.1	M00003998A:D03
97	5/14/98	1487	97	RTA00000608F.m.05.1	M00004034A:E08
98	5/14/98	1487	98	RTA00000597F.p.10.1	M00003820D:E02
99	5/14/98	1487	99	RTA00000585F.n.20.1	M00001446D:B10
100	5/14/98	1487	100	RTA00000584F.a.14.1	M00001377A:D03
101	5/14/98	1487	101	RTA00000609F.p.03.2	M00004092A:C03
102	5/14/98	1487	102	RTA00000606F.f.06.1	M00003841A:E09
103	5/14/98	1487	103	RTA00000609F.o.22.1	M00004091D:D09
104	5/14/98	1487	104	RTA00000587F.d.02.1	M00001537B:C12
105	5/14/98	1487	105	RTA00000612F.n.07.2	M00004277C:H11
106	5/14/98	1487	106	RTA00000606F.p.03.1	M00003888C:E01
107	5/14/98	1487	107	RTA00000589F.g.15.1	M00004076D:B03
108	5/14/98	1487	108	RTA00000610F.b.09.1	M00004102C:F07
109	5/14/98	1487	109	RTA00000603F.a.13.1	M00003820C:A09
110	5/14/98	1487	110	RTA00000606F.o.01.1	M00003883D:C03
111	5/14/98	1487	111	RTA00000589F.c.17.1	M00004030B:C05
112	5/14/98	1487	112	RTA00000589F.k.22.1	M00004140B:B01
113	5/14/98	1487	113	RTA00000585F.k.08.1	M00001438C:H05
114	5/14/98	1487	114	RTA00000595F.a.09.1	M00001586A:F09
115	5/14/98	1487	115	RTA00000597F.g.22.1	M00003790B:F12
116	5/14/98	1487	116	RTA00000597F.c.02.3	M00003773A:C09
117	5/14/98	1487	117	RTA00000587F.b.18.1	M00001530A:D11
118	5/14/98	1487	118	RTA00000606F.a.18.1	M00003824B:D06
119	5/14/98	1487	119	RTA00000612F.j.14.2	M00004260A:B07

Priority Appln Information

SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
120	5/14/98	1487	120	RTA00000612F.g.23.3	M00004243C:E10
121	5/14/98	1487	121	RTA00000583F.p.05.1	M00001374C:C09
122	5/14/98	1487	122	RTA00000586F.a.12.1	M00001455A:C03
123	5/14/98	1487	123	RTA00000613F.d.21.1	M00004308A:E06
124	5/14/98	1487	124	RTA00000586F.e.02.2	M00001466C:F02
125	5/14/98	1487	125	RTA00000595F.f.07.1	M00001609A:B12
126	5/14/98	1487	126	RTA00000607F.o.13.2	M00003962B:B09
127	5/14/98	1487	127	RTA00000595F.b.06.1	M00001590D:A07
128	5/14/98	1487	128	RTA00000609F.l.04.2	M00004081C:A01
129	5/14/98	1487	129	RTA00000610F.b.08.1	M00004102B:B04
130	5/14/98	1487	130	RTA00000585F.k.06.1	M00001438B:H06
131	5/14/98	1487	131	RTA00000611F.o.20.5	M00004204B:A04
132	5/14/98	1487	132	RTA00000614F.g.09.1	M00004421A:G04
133	5/14/98	1487	133	RTA00000597F.h.12.1	M00003793C:D11
134	5/14/98	1487	134	RTA00000597F.p.21.1	M00003822A:G05
135	5/14/98	1487	135	RTA00000595F.l.24.2	M00001641B:G05
136	5/14/98	1487	136	RTA00000584F.l.05.1	M00001399C:E10
137	5/14/98	1487	137	RTA00000586F.j.16.1	M00001489B:F08
138	5/14/98	1487	138	RTA00000613F.h.20.1	M00004332B:E11
139	5/14/98	1487	139	RTA00000606F.k.06.1	M00003862C:H10
140	5/14/98	1487	140	RTA00000587F.j.01.1	M00001557C:B08
141	5/14/98	1487	141	RTA00000610F.l.23.1	M00004143A:H07
142	5/14/98	1487	142	RTA00000606F.j.21.1	M00003860B:A07
143	5/14/98	1487	143	RTA00000608F.i.15.1	M00003997D:D07
144	5/14/98	1487	144	RTA00000596F.o.21.1	M00003763D:F06
145	5/14/98	1487	145	RTA00000597F.l.05.1	M00003809B:D08
146	5/14/98	1487	146	RTA00000608F.h.04.1	M00003992D:G01
147	5/14/98	1487	147	RTA00000585F.d.21.1	M00001424A:H09
148	5/14/98	1487	148	RTA00000606F.k.15.1	M00003864C:D09
149	5/14/98	1487	149	RTA00000612F.k.16.2	M00004266A:F10
150	5/14/98	1487	150	RTA00000589F.b.14.1	M00003991B:B05
151	5/14/98	1487	151	RTA00000597F.m.17.1	M00003813D:A06
152	5/14/98	1487	152	RTA00000585F.k.14.1	M00001439B:E02
153	5/14/98	1487	153	RTA00000584F.f.21.1	M00001389B:B06
154	5/14/98	1487	154	RTA00000597F.i.09.1	M00003796C:H03
155	5/14/98	1487	155	RTA00000597F.h.20.1	M00003795A:B01
156	5/14/98	1487	156	RTA00000608F.k.24.1	M00004030B:B02
157	5/14/98	1487	157	RTA00000586F.n.05.1	M00001500B:H07
158	5/14/98	1487	158	RTA00000608F.n.02.1	M00004035D:E04
159	5/14/98	1487	159	RTA00000585F.e.11.2	M00001425C:E10

Priority Appln Information

SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
160	5/14/98	1487	160	RTA00000596F.k.08.1	M00003746A:E01
161	5/14/98	1487	161	RTA00000611F.b.14.1	M00004163A:D11
162	5/14/98	1487	162	RTA00000607F.m.10.1	M00003948B:B03
163	5/14/98	1487	163	RTA00000586F.p.01.1	M00001506A:F01
164	5/14/98	1487	164	RTA00000589F.g.08.1	M00004075C:C09
165	5/14/98	1487	165	RTA00000608F.n.19.1	M00004037D:B05
166	5/14/98	1487	166	RTA00000607F.c.16.2	M00003905C:B01
167	5/14/98	1487	167	RTA00000595F.i.09.1	M00001622C:F06
168	5/14/98	1487	168	RTA00000584F.j.10.1	M00001397B:E02
169	5/14/98	1487	169	RTA00000589F.i.13.1	M00004103B:C07
170	5/14/98	1487	170	RTA00000585F.f.04.2	M00001427A:C05
171	5/14/98	1487	171	RTA00000606F.d.24.1	M00003837C:F05
172	5/14/98	1487	172	RTA00000609F.n.22.1	M00004088A:F12
173	5/14/98	1487	173	RTA00000610F.m.14.1	M00004144D:B06
174	5/14/98	1487	174	RTA00000606F.k.17.1	M00003864D:G05
175	5/14/98	1487	175	RTA00000583F.d.06.1	M00001345A:A12
176	5/14/98	1487	176	RTA00000608F.m.09.1	M00004034C:F05
177	5/14/98	1487	177	RTA00000608F.o.17.1	M00004040D:B05
178	5/14/98	1487	178	RTA00000583F.k.15.3	M00001362B:H09
179	5/14/98	1487	179	RTA00000610F.f.16.1	M00004120A:C02
180	5/14/98	1487	180	RTA00000608F.h.19.2	M00003994C:C11
181	5/14/98	1487	181	RTA00000584F.m.07.1	M00001401D:D04
182	5/14/98	1487	182	RTA00000587F.h.20.2	M00001552B:D01
183	5/14/98	1487	183	RTA00000596F.b.01.1	M00001660A:F10
184	5/14/98	1487	184	RTA00000611F.n.13.2	M00004199D:C02
185	5/14/98	1487	185	RTA00000597F.o.06.1	M00003818A:F09
186	5/14/98	1487	186	RTA00000589F.n.03.1	M00004178B:F06
187	5/14/98	1487	187	RTA00000597F.k.07.1	M00003805A:G05
188	5/14/98	1487	188	RTA00000611F.c.19.2	M00004166B:E10
189	5/14/98	1487	189	RTA00000606F.l.12.1	M00003868D:F02
190	5/14/98	1487	190	RTA00000614F.d.22.1	M00004407D:B09
191	5/14/98	1487	191	RTA00000608F.n.16.1	M00004037C:D07
192	5/14/98	1487	192	RTA00000595F.l.20.2	M00001640D:C10
193	5/14/98	1487	193	RTA00000608F.k.22.1	M00004030A:E09
194	5/14/98	1487	194	RTA00000583F.h.23.1	M00001355B:A01
195	5/14/98	1487	195	RTA00000608F.c.23.1	M00003980C:A11
196	5/14/98	1487	196	RTA00000585F.n.01.1	M00001444A:G12
197	5/14/98	1487	197	RTA00000596F.n.08.1	M00003756C:C08
198	5/14/98	1487	198	RTA00000612F.d.16.2	M00004229C:G11
199	5/14/98	1487	199	RTA00000589F.c.19.1	M00004031A:B04

Priority Appln Information

SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
200	5/14/98	1487	200	RTA00000584F.j.08.1	M00001397A:F10
201	5/14/98	1487	201	RTA00000583F.j.03.3	M00001358D:D09
202	5/14/98	1487	202	RTA00000597F.j.09.1	M00003801D:F05
203	5/14/98	1487	203	RTA00000614F.n.21.1	M00004506C:H10
204	5/14/98	1487	204	RTA00000606F.d.05.1	M00003833B:A11
205	5/14/98	1487	205	RTA00000589F.d.10.1	M00004038C:D12
206	5/14/98	1487	206	RTA00000597F.p.01.1	M00003820A:H04
207	5/14/98	1487	207	RTA00000586F.l.20.1	M00001496A:B03
208	5/14/98	1487	208	RTA00000607F.c.07.2	M00003903C:A12
209	5/14/98	1487	209	RTA00000595F.b.02.1	M00001589C:D12
210	5/14/98	1487	210	RTA00000597F.n.18.1	M00003816C:F10
211	5/14/98	1487	211	RTA00000612F.d.10.2	M00004228C:D11
212	5/14/98	1487	212	RTA00000609F.n.13.1	M00004086D:A07
213	5/14/98	1487	213	RTA00000610F.b.02.1	M00004101D:A03
214	5/14/98	1487	214	RTA00000590F.a.17.1	M00004249C:E12
215	5/14/98	1487	215	RTA00000587F.i.02.1	M00001553D:B06
216	5/14/98	1487	216	RTA00000583F.p.22.1	M00001376A:H02
217	5/14/98	1487	217	RTA00000609F.d.08.1	M00004054D:A03
218	5/14/98	1487	218	RTA00000609F.k.06.2	M00004078C:A08
219	5/14/98	1487	219	RTA00000585F.i.20.1	M00001435B:G10
220	5/14/98	1487	220	RTA00000585F.e.15.2	M00001426A:F09
221	5/14/98	1487	221	RTA00000595F.c.18.1	M00001597C:B03
222	5/14/98	1487	222	RTA00000596F.p.18.1	M00003766A:G09
223	5/14/98	1487	223	RTA00000611F.l.04.3	M00004193A:C07
224	5/14/98	1487	224	RTA00000614F.o.06.1	M00004508A:G12
225	5/14/98	1487	225	RTA00000586F.o.13.1	M00001504D:D09
226	5/14/98	1487	226	RTA00000612F.o.21.1	M00004283C:D03
227	5/14/98	1487	227	RTA00000585F.k.18.1	M00001439C:A01
228	5/14/98	1487	228	RTA00000611F.o.19.5	M00004204A:D10
229	5/14/98	1487	229	RTA00000611F.l.10.3	M00004193C:H01
230	5/14/98	1487	230	RTA00000612F.b.22.2	M00004217D:G10
231	5/14/98	1487	231	RTA00000583F.n.06.1	M00001370B:B12
232	5/14/98	1487	232	RTA00000611F.p.08.3	M00004206C:G11
233	5/14/98	1487	233	RTA00000607F.e.03.2	M00003909D:G01
234	5/14/98	1487	234	RTA00000607F.b.09.2	M00003896D:B01
235	5/14/98	1487	235	RTA00000585F.j.16.1	M00001436D:C10
236	5/14/98	1487	236	RTA00000607F.g.05.2	M00003915C:G01
237	5/14/98	1487	237	RTA00000586F.o.14.1	M00001505A:E09
238	5/14/98	1487	238	RTA00000607F.h.15.1	M00003920B:A10
239	5/14/98	1487	239	RTA00000586F.m.14.1	M00001499B:H05

Priority Appln Information					
SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
240	5/14/98	1487	240	RTA00000610F.p.17.1	M00004154D:F11
241	5/14/98	1487	241	RTA00000584F.d.11.1	M00001383C:C07
242	5/14/98	1487	242	RTA00000610F.e.07.1	M00004114C:F02
243	5/14/98	1487	243	RTA00000610F.b.17.1	M00004103B:C09
244	5/14/98	1487	244	RTA00000596F.c.05.1	M00001669A:H11
245	5/14/98	1487	245	RTA00000586F.b.17.1	M00001458B:F06
246	5/14/98	1487	246	RTA00000607F.l.16.1	M00003939A:A02
247	5/14/98	1487	247	RTA00000590F.f.18.2	M00004446A:G01
248	5/14/98	1487	248	RTA00000603F.b.07.1	M00004242C:C01
249	5/14/98	1487	249	RTA00000589F.f.11.1	M00004066A:E12
250	5/14/98	1487	250	RTA00000589F.j.09.1	M00004115A:G09
251	5/14/98	1487	251	RTA00000583F.a.18.1	M00001339B:E05
252	5/14/98	1487	252	RTA00000612F.f.23.3	M00004239C:C09
253	5/14/98	1487	253	RTA00000597F.o.12.1	M00003818C:E09
254	5/14/98	1487	254	RTA00000607F.b.05.2	M00003896B:F08
255	5/14/98	1487	255	RTA00000607F.e.23.2	M00003912C:C11
256	5/14/98	1487	256	RTA00000586F.m.11.1	M00001499A:D05
257	5/14/98	1487	257	RTA00000585F.g.18.2	M00001431A:C10
258	5/14/98	1487	258	RTA00000614F.d.07.1	M00004403A:B05
259	5/14/98	1487	259	RTA00000606F.c.23.1	M00003832B:G03
260	5/14/98	1487	260	RTA00000609F.d.13.1	M00004055B:F06
261	5/14/98	1487	261	RTA00000606F.c.04.1	M00003829A:E02
262	5/14/98	1487	262	RTA00000587F.f.02.1	M00001542C:F06
263	5/14/98	1487	263	RTA00000585F.e.14.2	M00001426A:C02
264	5/14/98	1487	264	RTA00000584F.o.03.2	M00001406D:H01
265	5/14/98	1487	265	RTA00000614F.m.24.1	M00004501A:G06
266	5/14/98	1487	266	RTA00000586F.j.21.1	M00001489D:C08
267	5/14/98	1487	267	RTA00000585F.d.02.2	M00001421C:A03
268	5/14/98	1487	268	RTA00000597F.o.19.1	M00003819D:G09
269	5/14/98	1487	269	RTA00000613F.h.02.1	M00004328A:H06
270	5/14/98	1487	270	RTA00000612F.m.08.2	M00004273D:E11
271	5/14/98	1487	271	RTA00000606F.g.04.1	M00003844C:H05
272	5/14/98	1487	272	RTA00000608F.h.04.2	M00003992D:G01
273	5/14/98	1487	273	RTA00000609F.e.19.3	M00004059A:G09
274	5/14/98	1487	274	RTA00000613F.c.10.1	M00004297D:B08
275	5/14/98	1487	275	RTA00000587F.d.24.1	M00001539B:B01
276	5/14/98	1487	276	RTA00000597F.a.22.5	M00003769D:G12
277	5/14/98	1487	277	RTA00000595F.m.11.1	M00001644D:F09
278	5/14/98	1487	278	RTA00000613F.k.05.1	M00004346B:D06
279	5/14/98	1487	279	RTA00000611F.n.15.2	M00004200A:G06

Priority Appln Information

SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
280	5/14/98	1487	280	RTA00000609F.m.20.2	M00004085B:G06
281	5/14/98	1487	281	RTA00000609F.c.08.1	M00004051C:D10
282	5/14/98	1487	282	RTA00000586F.k.13.1	M00001491C:C01
283	5/14/98	1487	283	RTA00000595F.i.16.1	M00001623D:A09
284	5/14/98	1487	284	RTA00000588F.j.17.3	M00003839D:G06
285	5/14/98	1487	285	RTA00000610F.i.05.1	M00004129A:H08
286	5/14/98	1487	286	RTA00000596F.o.14.1	M00003762A:D11
287	5/14/98	1487	287	RTA00000583F.e.15.1	M00001347B:H01
288	5/14/98	1487	288	RTA00000584F.a.01.2	M00001376B:C11
289	5/14/98	1487	289	RTA00000597F.c.10.4	M00003773D:C02
290	5/14/98	1487	290	RTA00000595F.d.20.1	M00001604B:D09
291	5/14/98	1487	291	RTA00000609F.m.04.2	M00004084A:D11
292	5/14/98	1487	292	RTA00000589F.b.08.1	M00003988C:A06
293	5/14/98	1487	293	RTA00000583F.k.13.3	M00001362B:A09
294	5/14/98	1487	294	RTA00000606F.b.07.1	M00003825C:B02
295	5/14/98	1487	295	RTA00000583F.a.17.1	M00001339B:A03
296	5/14/98	1487	296	RTA00000611F.o.09.5	M00004201D:E12
297	5/14/98	1487	297	RTA00000610F.j.15.1	M00004134C:B11
298	5/14/98	1487	298	RTA00000608F.e.21.1	M00003985A:C01
299	5/14/98	1487	299	RTA00000614F.k.08.1	M00004467A:F09
300	5/14/98	1487	300	RTA00000610F.p.11.1	M00004153D:E06
301	5/14/98	1487	301	RTA00000595F.l.14.1	M00001639A:A04
302	5/14/98	1487	302	RTA00000596F.m.03.1	M00003752A:B06
303	5/14/98	1487	303	RTA00000595F.n.06.2	M00001647C:C07
304	5/14/98	1487	304	RTA00000596F.e.22.2	M00001679C:F03
305	5/14/98	1487	305	RTA00000607F.c.18.2	M00003905C:E10
306	5/14/98	1487	306	RTA00000597F.o.15.1	M00003819A:B09
307	5/14/98	1487	307	RTA00000584F.f.10.1	M00001387D:C07
308	5/14/98	1487	308	RTA00000597F.b.07.5	M00003771A:G09
309	5/14/98	1487	309	RTA00000584F.m.17.1	M00001403B:A01
310	5/14/98	1487	310	RTA00000608F.g.08.2	M00003989C:F01
311	5/14/98	1487	311	RTA00000587F.o.03.1	M00001575A:H02
312	5/14/98	1487	312	RTA00000597F.m.10.1	M00003812D:E08
313	5/14/98	1487	313	RTA00000596F.l.10.1	M00003749D:G07
314	5/14/98	1487	314	RTA00000584F.h.08.1	M00001391D:A07
315	5/14/98	1487	315	RTA00000587F.f.07.1	M00001543A:F01
316	5/14/98	1487	316	RTA00000595F.b.04.1	M00001589D:G10
317	5/14/98	1487	317	RTA00000590F.d.17.1	M00004345A:H06
318	5/14/98	1487	318	RTA00000612F.i.07.2	M00004268D:G07
319	5/14/98	1487	319	RTA00000607F.e.15.2	M00003911C:G05

Priority Appln Information					
SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
320	5/14/98	1487	320	RTA00000614F.i.23.1	M00004449D:H01
321	5/14/98	1487	321	RTA00000612F.l.08.2	M00004269A:B11
322	5/14/98	1487	322	RTA00000608F.n.23.1	M00004038C:C05
323	5/14/98	1487	323	RTA00000583F.e.11.1	M00001347A:G06
324	5/14/98	1487	324	RTA00000612F.e.10.3	M00004234B:E03
325	5/14/98	1487	325	RTA00000609F.o.20.1	M00004091C:F04
326	5/14/98	1487	326	RTA00000583F.d.19.1	M00001346B:A07
327	5/14/98	1487	327	RTA00000609F.o.16.2	M00004091B:C12
328	5/14/98	1487	328	RTA00000586F.a.23.1	M00001456C:F02
329	5/14/98	1487	329	RTA00000583F.j.04.3	M00001359A:B07
330	5/14/98	1487	330	RTA00000585F.a.02.3	M00001412D:C03
331	5/14/98	1487	331	RTA00000606F.o.02.1	M00003884B:E06
332	5/14/98	1487	332	RTA00000609F.m.09.2	M00004084C:G04
333	5/14/98	1487	333	RTA00000606F.b.10.1	M00003826B:D01
334	5/14/98	1487	334	RTA00000596F.k.19.1	M00003748B:B06
335	5/14/98	1487	335	RTA00000596F.o.17.1	M00003763B:D03
336	5/14/98	1487	336	RTA00000611F.g.23.1	M00004180B:F04
337	5/14/98	1487	337	RTA00000586F.m.05.1	M00001496D:D02
338	5/14/98	1487	338	RTA00000612F.n.03.2	M00004277B:C06
339	5/14/98	1487	339	RTA00000585F.b.18.3	M00001417B:E01
340	5/14/98	1487	340	RTA00000606F.b.03.1	M00003825B:A05
341	5/14/98	1487	341	RTA00000583F.n.05.1	M00001370B:B04
342	5/14/98	1487	342	RTA00000607F.o.10.2	M00003961B:A12
343	5/14/98	1487	343	RTA00000613F.c.13.1	M00004297D:E08
344	5/14/98	1487	344	RTA00000595F.f.14.1	M00001610B:A01
345	5/14/98	1487	345	RTA00000608F.a.10.3	M00003973A:C05
346	5/14/98	1487	346	RTA00000609F.j.05.3	M00004075A:G10
347	5/14/98	1487	347	RTA00000586F.d.01.1	M00001463C:A01
348	5/14/98	1487	348	RTA00000612F.h.03.3	M00004245A:G09
349	5/14/98	1487	349	RTA00000596F.e.18.2	M00001678D:A12
350	5/14/98	1487	350	RTA00000606F.g.18.1	M00003846B:H02
351	5/14/98	1487	351	RTA00000597F.c.07.4	M00003773B:G08
352	5/14/98	1487	352	RTA00000610F.e.15.1	M00004117B:F01
353	5/14/98	1487	353	RTA00000595F.h.07.1	M00001618C:E06
354	5/14/98	1487	354	RTA00000597F.f.17.1	M00003786D:C06
355	5/14/98	1487	355	RTA00000606F.l.10.1	M00003868B:C07
356	5/14/98	1487	356	RTA00000586F.g.20.1	M00001478A:B06
357	5/14/98	1487	357	RTA00000606F.b.05.1	M00003825B:D12
358	5/14/98	1487	358	RTA00000588F.p.09.2	M00003972B:A11
359	5/14/98	1487	359	RTA00000595F.d.05.1	M00001599A:H09

Priority Appln Information

SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
360	5/14/98	1487	360	RTA00000587F.n.19.1	M00001572C:E07
361	5/14/98	1487	361	RTA00000590F.a.02.1	M00004240D:E06
362	5/14/98	1487	362	RTA00000587F.m.18.1	M00001569B:F04
363	5/14/98	1487	363	RTA00000583F.k.09.3	M00001362A:C10
364	5/14/98	1487	364	RTA00000608F.a.23.1	M00003974B:A04
365	5/14/98	1487	365	RTA00000597F.e.22.1	M00003784C:B09
366	5/14/98	1487	366	RTA00000583F.e.21.1	M00001348A:G04
367	5/14/98	1487	367	RTA00000607F.e.20.2	M00003912B:G11
368	5/14/98	1487	368	RTA00000614F.b.16.1	M00004388C:D05
369	5/14/98	1487	369	RTA00000587F.b.03.1	M00001518D:A10
370	5/14/98	1487	370	RTA00000609F.f.02.3	M00004060C:A11
371	5/14/98	1487	371	RTA00000587F.c.20.1	M00001536B:B11
372	5/14/98	1487	372	RTA00000612F.h.05.3	M00004245C:A03
373	5/14/98	1487	373	RTA00000596F.i.13.1	M00001693D:F07
374	5/14/98	1487	374	RTA00000585F.f.01.2	M00001426D:D09
375	5/14/98	1487	375	RTA00000611F.m.07.3	M00004196C:G05
376	5/14/98	1487	376	RTA00000606F.b.08.1	M00003825C:B12
377	5/14/98	1487	377	RTA00000609F.b.10.2	M00004048D:A07
378	5/14/98	1487	378	RTA00000609F.g.13.1	M00004067C:D08
379	5/14/98	1487	379	RTA00000587F.l.11.1	M00001565A:A02
380	5/14/98	1487	380	RTA00000608F.h.07.2	M00003993A:E12
381	5/14/98	1487	381	RTA00000596F.m.21.1	M00003754C:F01
382	5/14/98	1487	382	RTA00000586F.p.11.1	M00001506D:A11
383	5/14/98	1487	383	RTA00000610F.c.01.1	M00004104A:H09
384	5/14/98	1487	384	RTA00000597F.n.10.1	M00003815C:A06
385	5/14/98	1487	385	RTA00000595F.c.14.1	M00001597A:C07
386	5/14/98	1487	386	RTA00000586F.j.09.1	M00001488B:G12
387	5/14/98	1487	387	RTA00000608F.l.20.1	M00004032D:D03
388	5/14/98	1487	388	RTA00000613F.g.13.1	M00004324B:D09
389	5/14/98	1487	389	RTA00000587F.j.21.1	M00001561B:C10
390	5/14/98	1487	390	RTA00000583F.l.16.3	M00001365D:H09
391	5/14/98	1487	391	RTA00000614F.d.16.1	M00004406A:H03
392	5/14/98	1487	392	RTA00000610F.j.11.1	M00004134A:F08
393	5/14/98	1487	393	RTA00000611F.j.11.1	M00004188A:E05
394	5/14/98	1487	394	RTA00000609F.p.14.1	M00004093A:F03
395	5/14/98	1487	395	RTA00000597F.l.18.1	M00003811B:E07
396	5/14/98	1487	396	RTA00000585F.h.03.2	M00001432A:F12
397	5/14/98	1487	397	RTA00000607F.h.23.1	M00003920D:D09
398	5/14/98	1487	398	RTA00000607F.f.23.2	M00003915B:G07
399	5/14/98	1487	399	RTA00000607F.f.18.2	M00003915A:D09

Priority Appln Information					
SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
400	5/14/98	1487	400	RTA00000609F.i.23.2	M00004073D:B11
401	5/14/98	1487	401	RTA00000612F.f.05.3	M00004236D:F04
402	5/14/98	1487	402	RTA00000597F.o.07.1	M00003818B:A01
403	5/14/98	1487	403	RTA00000611F.o.06.5	M00004201D:C11
404	5/14/98	1487	404	RTA00000589F.e.05.2	M00004051C:D02
405	5/14/98	1487	405	RTA00000584F.o.07.1	M00001407D:H11
406	5/14/98	1487	406	RTA00000608F.e.06.1	M00003983A:D02
407	5/14/98	1487	407	RTA00000595F.a.22.1	M00001588D:H08
408	5/14/98	1487	408	RTA00000611F.c.03.2	M00004164D:D02
409	5/14/98	1487	409	RTA00000585F.c.03.2	M00001418A:C02
410	5/14/98	1487	410	RTA00000611F.b.07.1	M00004161B:A12
411	5/14/98	1487	411	RTA00000587F.g.09.2	M00001546B:H01
412	5/14/98	1487	412	RTA00000611F.c.11.2	M00004165C:E09
413	5/14/98	1487	413	RTA00000610F.c.18.1	M00004108A:D04
414	5/14/98	1487	414	RTA00000611F.i.21.1	M00004186B:E05
415	5/14/98	1487	415	RTA00000597F.e.11.1	M00003782D:F04
416	5/14/98	1487	416	RTA00000586F.m.02.1	M00001496C:H10
417	5/14/98	1487	417	RTA00000585F.b.20.3	M00001417C:A09
418	5/14/98	1487	418	RTA00000606F.n.15.1	M00003881D:D09
419	5/14/98	1487	419	RTA00000611F.h.17.2	M00004183A:D06
420	5/14/98	1487	420	RTA00000609F.c.15.1	M00004052C:A08
421	5/14/98	1487	421	RTA00000614F.m.10.1	M00004497C:E09
422	5/14/98	1487	422	RTA00000612F.c.08.2	M00004218D:F12
423	5/14/98	1487	423	RTA00000613F.h.22.1	M00004332C:E09
424	5/14/98	1487	424	RTA00000587F.f.05.1	M00001543A:D03
425	5/14/98	1487	425	RTA00000585F.k.04.1	M00001438A:H10
426	5/14/98	1487	426	RTA00000585F.k.15.1	M00001439B:F10
427	5/14/98	1487	427	RTA00000609F.p.04.1	M00004092A:D04
428	5/14/98	1487	428	RTA00000585F.j.01.1	M00001435C:H05
429	5/14/98	1487	429	RTA00000587F.a.20.1	M00001517D:C03
430	5/14/98	1487	430	RTA00000609F.f.04.3	M00004060D:A07
431	5/14/98	1487	431	RTA00000611F.k.13.2	M00004190D:A10
432	5/14/98	1487	432	RTA00000586F.f.08.2	M00001471C:G03
433	5/14/98	1487	433	RTA00000585F.i.14.1	M00001435A:G01
434	5/14/98	1487	434	RTA00000614F.b.08.1	M00004385C:B11
435	5/14/98	1487	435	RTA00000609F.o.04.2	M00004089A:G03
436	5/14/98	1487	436	RTA00000583F.n.03.1	M00001370A:B01
437	5/14/98	1487	437	RTA00000584F.j.05.1	M00001396C:G02
438	5/14/98	1487	438	RTA00000608F.a.16.2	M00003973B:H06
439	5/14/98	1487	439	RTA00000583F.b.15.1	M00001341A:A11

Priority Appln Information

SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
440	5/14/98	1487	440	RTA00000596F.a.22.1	M00001659D:G08
441	5/14/98	1487	441	RTA00000589F.c.15.1	M00004030A:G12
442	5/14/98	1487	442	RTA00000610F.o.03.1	M00004149B:H12
443	5/14/98	1487	443	RTA00000596F.e.06.2	M00001677A:A12
444	5/14/98	1487	444	RTA00000607F.p.01.2	M00003965A:F07
445	5/14/98	1487	445	RTA00000611F.c.16.2	M00004166A:F02
446	5/14/98	1487	446	RTA00000611F.b.01.1	M00004159D:H07
447	5/14/98	1487	447	RTA00000612F.b.12.2	M00004217A:A11
448	5/14/98	1487	448	RTA00000584F.h.09.1	M00001391D:A09
449	5/14/98	1487	449	RTA00000612F.g.18.3	M00004242C:C02
450	5/14/98	1487	450	RTA00000609F.b.18.2	M00004049D:G04
451	5/14/98	1487	451	RTA00000608F.f.17.1	M00003987D:F06
452	5/14/98	1487	452	RTA00000589F.e.21.2	M00004058B:F12
453	5/14/98	1487	453	RTA00000606F.j.07.1	M00003857C:A03
454	5/14/98	1487	454	RTA00000610F.b.21.1	M00004103C:F11
455	5/14/98	1487	455	RTA00000611F.c.22.2	M00004166D:G07
456	5/14/98	1487	456	RTA00000583F.d.04.1	M00001344D:G11
457	5/14/98	1487	457	RTA00000610F.h.08.1	M00004126B:G02
458	5/14/98	1487	458	RTA00000596F.a.06.1	M00001658B:C07
459	5/14/98	1487	459	RTA00000612F.o.10.2	M00004281B:B05
460	5/14/98	1487	460	RTA00000610F.l.22.1	M00004143A:G12
461	5/14/98	1487	461	RTA00000612F.o.09.2	M00004281B:B03
462	5/14/98	1487	462	RTA00000596F.f.09.2	M00001681A:H09
463	5/14/98	1487	463	RTA00000607F.p.13.2	M00003970A:G10
464	5/14/98	1487	464	RTA00000610F.e.11.1	M00004115C:H04
465	5/14/98	1487	465	RTA00000611F.b.02.1	M00004160A:A01
466	5/14/98	1487	466	RTA00000608F.j.24.1	M00004027C:H01
467	5/14/98	1487	467	RTA00000614F.k.22.1	M00004470C:A02
468	5/14/98	1487	468	RTA00000612F.h.09.3	M00004247A:E01
469	5/14/98	1487	469	RTA00000587F.f.01.1	M00001542C:D10
470	5/14/98	1487	470	RTA00000608F.d.04.1	M00003980C:G10
471	5/14/98	1487	471	RTA00000585F.m.16.2	M00001443D:C03
472	5/14/98	1487	472	RTA00000613F.c.17.1	M00004298B:D04
473	5/14/98	1487	473	RTA00000613F.h.19.1	M00004332B:D02
474	5/14/98	1487	474	RTA00000609F.d.07.1	M00004054B:G02
475	5/14/98	1487	475	RTA00000606F.o.17.1	M00003887B:C03
476	5/14/98	1487	476	RTA00000585F.n.10.1	M00001445B:E03
477	5/14/98	1487	477	RTA00000612F.p.04.2	M00004284B:F07
478	5/14/98	1487	478	RTA00000589F.c.02.1	M00003997B:H04
479	5/14/98	1487	479	RTA00000608F.p.16.1	M00004044A:F08

Priority Appln Information

SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
480	5/14/98	1487	480	RTA00000597F.n.12.1	M00003815D:D01
481	5/14/98	1487	481	RTA00000608F.l.10.1	M00004031A:G05
482	5/14/98	1487	482	RTA00000606F.o.05.1	M00003884D:A12
483	5/14/98	1487	483	RTA00000587F.j.05.1	M00001558B:A12
484	5/14/98	1487	484	RTA00000584F.d.15.1	M00001384A:C09
485	5/14/98	1487	485	RTA00000612F.n.22.1	M00004279D:E02
486	5/14/98	1487	486	RTA00000585F.m.13.2	M00001443D:A01
487	5/14/98	1487	487	RTA00000586F.m.22.1	M00001500A:D09
488	5/14/98	1487	488	RTA00000608F.i.17.1	M00003997D:G11
489	5/14/98	1487	489	RTA00000614F.k.04.1	M00004466A:E09
490	5/14/98	1487	490	RTA00000608F.n.15.1	M00004037C:C05
491	5/14/98	1487	491	RTA00000610F.m.06.1	M00004143C:F08
492	5/14/98	1487	492	RTA00000585F.d.12.2	M00001422D:D02
493	5/14/98	1487	493	RTA00000608F.b.19.1	M00003976D:D12
494	5/14/98	1487	494	RTA00000596F.k.06.1	M00003745C:E03
495	5/14/98	1487	495	RTA00000609F.o.14.2	M00004091A:E01
496	5/14/98	1487	496	RTA00000607F.m.14.1	M00003949B:A08
497	5/14/98	1487	497	RTA00000606F.f.08.1	M00003841B:D05
498	5/14/98	1487	498	RTA00000583F.l.14.3	M00001365D:D12
499	5/14/98	1487	499	RTA00000614F.g.04.1	M00004419D:G01
500	5/14/98	1487	500	RTA00000610F.m.21.1	M00004145C:A03
501	5/14/98	1487	501	RTA00000585F.d.16.1	M00001423C:D06
502	5/14/98	1487	502	RTA00000588F.o.05.2	M00003918C:E07
503	5/14/98	1487	503	RTA00000585F.b.04.3	M00001415D:E12
504	5/14/98	1487	504	RTA00000588F.d.21.1	M00001687C:A06
505	5/14/98	1487	505	RTA00000595F.g.16.1	M00001614C:G04
506	5/14/98	1487	506	RTA00000612F.i.18.2	M00004253B:F06
507	5/14/98	1487	507	RTA00000612F.e.12.1	M00004234B:G06
508	5/14/98	1487	508	RTA00000583F.p.08.1	M00001374D:D09
509	5/14/98	1487	509	RTA00000608F.b.04.1	M00003974C:A05
510	5/14/98	1487	510	RTA00000596F.l.07.1	M00003749B:C08
511	5/14/98	1487	511	RTA00000597F.l.02.1	M00003809A:H12
512	5/14/98	1487	512	RTA00000595F.j.05.1	M00001626C:C10
513	5/14/98	1487	513	RTA00000586F.k.18.1	M00001491D:E07
514	5/14/98	1487	514	RTA00000608F.p.07.1	M00004041D:E06
515	5/14/98	1487	515	RTA00000596F.m.07.1	M00003752D:D09
516	5/14/98	1487	516	RTA00000588F.l.20.2	M00003859C:B09
517	5/14/98	1487	517	RTA00000614F.a.20.1	M00004383A:F02
518	5/14/98	1487	518	RTA00000597F.i.20.1	M00003799B:D02
519	5/14/98	1487	519	RTA00000611F.n.14.3	M00004200A:A09

Priority Appln Information

SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
520	5/14/98	1487	520	RTA00000586F.m.10.1	M00001499A:D01
521	5/14/98	1487	521	RTA00000607F.i.06.4	M00003921D:C06
522	5/14/98	1487	522	RTA00000585F.p.19.2	M00001453B:F08
523	5/14/98	1487	523	RTA00000583F.c.06.1	M00001342C:A04
524	5/14/98	1487	524	RTA00000595F.p.20.1	M00001656D:F11
525	5/14/98	1487	525	RTA00000606F.g.02.1	M00003844C:D04
526	5/14/98	1487	526	RTA00000606F.d.10.1	M00003834A:A03
527	5/14/98	1487	527	RTA00000597F.f.21.1	M00003787B:D07
528	5/14/98	1487	528	RTA00000613F.h.17.1	M00004331D:H08
529	5/14/98	1487	529	RTA00000612F.h.19.3	M00004249D:G02
530	5/14/98	1487	530	RTA00000589F.h.23.1	M00004091B:G04
531	5/14/98	1487	531	RTA00000614F.e.06.1	M00004408D:A10
532	5/14/98	1487	532	RTA00000612F.j.20.2	M00004262C:C01
533	5/14/98	1487	533	RTA00000597F.m.07.1	M00003812B:F08
534	5/14/98	1487	534	RTA00000589F.j.08.1	M00004115A:F01
535	5/14/98	1487	535	RTA00000609F.g.16.1	M00004068A:F02
536	5/14/98	1487	536	RTA00000587F.i.18.1	M00001556D:A11
537	5/14/98	1487	537	RTA00000610F.c.05.1	M00004104D:C09
538	5/14/98	1487	538	RTA00000607F.o.16.2	M00003963B:D12
539	5/14/98	1487	539	RTA00000585F.i.08.1	M00001434C:D05
540	5/14/98	1487	540	RTA00000584F.a.15.2	M00001377A:E01
541	5/14/98	1487	541	RTA00000611F.p.24.2	M00004210A:B09
542	5/14/98	1487	542	RTA00000607F.a.13.3	M00003893C:D12
543	5/14/98	1487	543	RTA00000612F.f.03.1	M00004236D:E07
544	5/14/98	1487	544	RTA00000606F.p.14.1	M00003890B:H07
545	5/14/98	1487	545	RTA00000612F.j.17.2	M00004260C:E10
546	5/14/98	1487	546	RTA00000585F.c.24.2	M00001421A:H07
547	5/14/98	1487	547	RTA00000607F.i.24.2	M00003926B:E03
548	5/14/98	1487	548	RTA00000609F.e.15.3	M00004058C:E08
549	5/14/98	1487	549	RTA00000584F.p.18.1	M00001411C:G02
550	5/14/98	1487	550	RTA00000610F.i.10.1	M00004130C:A09
551	5/14/98	1487	551	RTA00000585F.b.17.3	M00001417B:C07
552	5/14/98	1487	552	RTA00000586F.o.12.1	M00001504C:H11
553	5/14/98	1487	553	RTA00000608F.g.24.1	M00003992C:G01
554	5/14/98	1487	554	RTA00000584F.e.20.1	M00001387A:A04
555	5/14/98	1487	555	RTA00000588F.j.23.3	M00003843A:B01
556	5/14/98	1487	556	RTA00000585F.b.21.3	M00001417C:E02
557	5/14/98	1487	557	RTA00000584F.o.08.1	M00001408A:B02
558	5/14/98	1487	558	RTA00000587F.k.22.1	M00001563C:D06
559	5/14/98	1487	559	RTA00000608F.a.07.3	M00003972C:F02

Priority Appln Information					
SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
560	5/14/98	1487	560	RTA00000597F.c.04.4	M00003773B:E09
561	5/14/98	1487	561	RTA00000596F.c.06.1	M00001669B:A03
562	5/14/98	1487	562	RTA00000588F.o.01.2	M00003912C:H01
563	5/14/98	1487	563	RTA00000597F.i.16.1	M00003797D:H06
564	5/14/98	1487	564	RTA00000583F.n.07.1	M00001370B:D04
565	5/14/98	1487	565	RTA00000597F.f.07.1	M00003785D:E01
566	5/14/98	1487	566	RTA00000587F.f.06.1	M00001543A:E04
567	5/14/98	1487	567	RTA00000614F.o.11.1	M00004509A:H02
568	5/14/98	1487	568	RTA00000597F.b.16.5	M00003771D:A10
569	5/14/98	1487	569	RTA00000608F.m.19.1	M00004035B:H11
570	5/14/98	1487	570	RTA00000597F.k.21.1	M00003808C:D09
571	5/14/98	1487	571	RTA00000584F.o.13.1	M00001409C:D01
572	5/14/98	1487	572	RTA00000588F.n.10.3	M00003895D:A03
573	5/14/98	1487	573	RTA00000589F.h.17.1	M00004089A:F02
574	5/14/98	1487	574	RTA00000609F.h.13.1	M00004069D:G02
575	5/14/98	1487	575	RTA00000608F.p.15.1	M00004043D:C10
576	5/14/98	1487	576	RTA00000595F.l.16.1	M00001640A:F02
577	5/14/98	1487	577	RTA00000585F.j.21.1	M00001437B:B05
578	5/14/98	1487	578	RTA00000595F.o.01.2	M00001649B:E08
579	5/14/98	1487	579	RTA00000606F.c.03.1	M00003829A:B08
580	5/14/98	1487	580	RTA00000583F.n.04.1	M00001370A:G09
581	5/14/98	1487	581	RTA00000596F.p.20.1	M00003766B:G04
582	5/14/98	1487	582	RTA00000611F.c.20.2	M00004166C:A03
583	5/14/98	1487	583	RTA00000584F.l.19.1	M00001399D:F09
584	5/14/98	1487	584	RTA00000589F.p.23.1	M00004239C:A07
585	5/14/98	1487	585	RTA00000607F.c.09.2	M00003903C:H03
586	5/14/98	1487	586	RTA00000585F.p.23.2	M00001453D:F09
587	5/14/98	1487	587	RTA00000596F.j.13.1	M00003741A:E01
588	5/14/98	1487	588	RTA00000584F.m.03.1	M00001400D:B08
589	5/14/98	1487	589	RTA00000595F.o.03.2	M00001649D:H05
590	5/14/98	1487	590	RTA00000589F.j.03.1	M00004109B:A01
591	5/14/98	1487	591	RTA00000610F.c.14.1	M00004107C:A01
592	5/14/98	1487	592	RTA00000614F.f.02.1	M00004412B:E03
593	5/14/98	1487	593	RTA00000608F.b.23.1	M00003977C:A08
594	5/14/98	1487	594	RTA00000597F.i.06.1	M00003796B:C07
595	5/14/98	1487	595	RTA00000609F.n.20.1	M00004087C:F05
596	5/14/98	1487	596	RTA00000597F.c.08.2	M00003773C:G06
597	5/14/98	1487	597	RTA00000612F.c.05.2	M00004218C:G10
598	5/14/98	1487	598	RTA00000589F.o.14.1	M00004202B:A02
599	5/14/98	1487	599	RTA00000609F.h.15.1	M00004071A:H03

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SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
600	5/14/98	1487	600	RTA00000596F.p.15.1	M00003765D:E02
601	5/14/98	1487	601	RTA00000597F.k.22.1	M00003809A:A12
602	5/14/98	1487	602	RTA00000608F.k.09.1	M00004028C:D01
603	5/14/98	1487	603	RTA00000612F.p.23.2	M00004287C:B06
604	5/14/98	1487	604	RTA00000610F.n.02.1	M00004146D:A07
605	5/14/98	1487	605	RTA00000587F.h.19.2	M00001551D:C12
606	5/14/98	1487	606	RTA00000607F.k.18.1	M00003934D:F01
607	5/14/98	1487	607	RTA00000588F.m.10.3	M00003868D:F07
608	5/14/98	1487	608	RTA00000612F.p.21.1	M00004287B:B12
609	5/14/98	1487	609	RTA00000585F.m.08.1	M00001443A:E02
610	5/14/98	1487	610	RTA00000612F.d.01.1	M00004225D:F01
611	5/14/98	1487	611	RTA00000596F.d.20.1	M00001675C:B03
612	5/14/98	1487	612	RTA00000611F.k.12.2	M00004190C:G07
613	5/14/98	1487	613	RTA00000612F.j.11.2	M00004257C:A08
614	5/14/98	1487	614	RTA00000614F.j.16.1	M00004463C:F11
615	5/14/98	1487	615	RTA00000611F.k.15.3	M00004190D:G12
616	5/14/98	1487	616	RTA00000612F.j.01.2	M00004253D:F09
617	5/14/98	1487	617	RTA00000606F.o.23.1	M00003888B:A10
618	5/14/98	1487	618	RTA00000606F.i.13.1	M00003852D:D03
619	5/14/98	1487	619	RTA00000588F.i.22.3	M00003833D:D06
620	5/14/98	1487	620	RTA00000585F.j.03.1	M00001435D:A06
621	5/14/98	1487	621	RTA00000608F.i.21.1	M00003998A:G12
622	5/14/98	1487	622	RTA00000584F.o.02.1	M00001406D:B06
623	5/14/98	1487	623	RTA00000608F.m.17.1	M00004035B:F05
624	5/14/98	1487	624	RTA00000612F.k.08.2	M00004263D:F06
625	5/14/98	1487	625	RTA00000608F.p.20.1	M00004045A:B12
626	5/14/98	1487	626	RTA00000610F.n.07.1	M00004147A:G03
627	5/14/98	1487	627	RTA00000608F.j.17.1	M00004027A:B10
628	5/14/98	1487	628	RTA00000596F.n.23.1	M00003759A:E10
629	5/14/98	1487	629	RTA00000612F.a.17.2	M00004214A:D03
630	5/14/98	1487	630	RTA00000612F.i.17.2	M00004253B:A10
631	5/14/98	1487	631	RTA00000585F.p.15.2	M00001452D:E05
632	5/14/98	1487	632	RTA00000614F.m.15.1	M00004498B:E01
633	5/14/98	1487	633	RTA00000607F.a.08.3	M00003892D:D04
634	5/14/98	1487	634	RTA00000606F.p.16.1	M00003890D:C03
635	5/14/98	1487	635	RTA00000610F.j.12.1	M00004134A:H04
636	5/14/98	1487	636	RTA00000608F.o.16.1	M00004040C:G12
637	5/14/98	1487	637	RTA00000588F.o.20.2	M00003958C:C10
638	5/14/98	1487	638	RTA00000585F.p.06.2	M00001451B:H11
639	5/14/98	1487	639	RTA00000610F.j.05.1	M00004133D:A01

Priority Appln Information					
SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
640	5/14/98	1487	640	RTA00000606F.e.17.1	M00003839C:B05
641	5/14/98	1487	641	RTA00000609F.n.05.1	M00004086A:A03
642	5/14/98	1487	642	RTA00000614F.p.22.1	M00004609C:C11
643	5/14/98	1487	643	RTA00000585F.h.16.2	M00001433A:F04
644	5/14/98	1487	644	RTA00000611F.n.02.3	M00004198D:H04
645	5/14/98	1487	645	RTA00000614F.p.06.1	M00004605C:A09
646	5/14/98	1487	646	RTA00000584F.l.17.1	M00001399D:F01
647	5/14/98	1487	647	RTA00000584F.p.17.1	M00001411C:F02
648	5/14/98	1487	648	RTA00000595F.l.17.1	M00001640A:F04
649	5/14/98	1487	649	RTA00000583F.h.07.1	M00001353B:D11
650	5/14/98	1487	650	RTA00000585F.l.19.1	M00001442A:D08
651	5/14/98	1487	651	RTA00000610F.i.13.1	M00004130D:E04
652	5/14/98	1487	652	RTA00000608F.n.05.1	M00004036B:F09
653	5/14/98	1487	653	RTA00000612F.m.19.1	M00004276C:E12
654	5/14/98	1487	654	RTA00000595F.h.22.1	M00001621C:A04
655	5/14/98	1487	655	RTA00000608F.j.12.1	M00003999C:C12
656	5/14/98	1487	656	RTA00000608F.k.07.2	M00004028C:B04
657	5/14/98	1487	657	RTA00000608F.o.12.1	M00004040B:B09
658	5/14/98	1487	658	RTA00000597F.a.08.5	M00003767C:F04
659	5/14/98	1487	659	RTA00000585F.i.23.1	M00001435C:G08
660	5/14/98	1487	660	RTA00000586F.j.06.1	M00001487D:G03
661	5/14/98	1487	661	RTA00000608F.b.15.1	M00003976C:C05
662	5/14/98	1487	662	RTA00000609F.h.06.1	M00004069B:B01
663	5/14/98	1487	663	RTA00000612F.h.13.3	M00004248A:G08
664	5/14/98	1487	664	RTA00000611F.j.08.1	M00004187C:H09
665	5/14/98	1487	665	RTA00000609F.j.18.1	M00004076A:E02
666	5/14/98	1487	666	RTA00000608F.p.01.1	M00004041B:F01
667	5/14/98	1487	667	RTA00000584F.m.16.1	M00001402D:H03
668	5/14/98	1487	668	RTA00000589F.d.04.1	M00004036C:D01
669	5/14/98	1487	669	RTA00000612F.p.12.2	M00004285B:E01
670	5/14/98	1487	670	RTA00000589F.e.09.1	M00004052C:B05
671	5/14/98	1487	671	RTA00000584F.m.11.1	M00001402C:E09
672	5/14/98	1487	672	RTA00000595F.i.18.1	M00001624A:A09
673	5/14/98	1487	673	RTA00000609F.k.04.2	M00004078A:F03
674	5/14/98	1487	674	RTA00000611F.n.17.2	M00004200B:B04
675	5/14/98	1487	675	RTA00000595F.j.03.1	M00001626B:H05
676	5/14/98	1487	676	RTA00000611F.o.11.3	M00004202B:F04
677	5/14/98	1487	677	RTA00000597F.e.16.1	M00003783C:A06
678	5/14/98	1487	678	RTA00000583F.d.16.1	M00001346A:B09
679	5/14/98	1487	679	RTA00000589F.l.24.1	M00004159D:C04

Priority Appln Information

SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
680	5/14/98	1487	680	RTA00000597F.a.17.2	M00003769B:A04
681	5/14/98	1487	681	RTA00000584F.p.22.1	M00001412A:A11
682	5/14/98	1487	682	RTA00000587F.i.23.1	M00001557B:D10
683	5/14/98	1487	683	RTA00000612F.l.16.2	M00004269D:E08
684	5/14/98	1487	684	RTA00000584F.c.01.1	M00001380C:D10
685	5/14/98	1487	685	RTA00000606F.g.21.1	M00003846D:C12
686	5/14/98	1487	686	RTA00000611F.j.12.1	M00004188A:E10
687	5/14/98	1487	687	RTA00000585F.h.10.2	M00001432C:G01
688	5/14/98	1487	688	RTA00000585F.h.10.1	M00001432C:G01
689	5/14/98	1487	689	RTA00000587F.j.15.1	M00001560C:C01
690	5/14/98	1487	690	RTA00000608F.o.06.1	M00004039D:D03
691	5/14/98	1487	691	RTA00000596F.e.05.2	M00001677A:A06
692	5/14/98	1487	692	RTA00000584F.p.07.1	M00001411A:D01
693	5/14/98	1487	693	RTA00000612F.i.13.2	M00004252D:H08
694	5/14/98	1487	694	RTA00000607F.i.14.4	M00003923A:H07
695	5/14/98	1487	695	RTA00000595F.m.17.2	M00001645B:C09
696	5/14/98	1487	696	RTA00000595F.i.02.1	M00001621D:B09
697	5/14/98	1487	697	RTA00000585F.p.12.2	M00001452B:F09
698	5/14/98	1487	698	RTA00000589F.m.02.1	M00004160A:D07
699	5/14/98	1487	699	RTA00000595F.p.11.1	M00001655A:F07
700	5/14/98	1487	700	RTA00000589F.o.15.1	M00004202B:G09
701	5/14/98	1487	701	RTA00000609F.e.12.3	M00004058B:C11
702	5/14/98	1487	702	RTA00000588F.l.13.2	M00003858A:D01
703	5/14/98	1487	703	RTA00000608F.f.22.2	M00003988B:C10
704	5/14/98	1487	704	RTA00000612F.i.11.2	M00004252D:A07
705	5/14/98	1487	705	RTA00000590F.b.13.1	M00004277D:C08
706	5/14/98	1487	706	RTA00000609F.a.21.2	M00004047B:G09
707	5/14/98	1487	707	RTA00000586F.e.12.1	M00001468D:D11
708	5/14/98	1487	708	RTA00000595F.k.10.1	M00001634C:E12
709	5/14/98	1487	709	RTA00000583F.e.02.1	M00001346C:B07
710	5/14/98	1487	710	RTA00000589F.d.01.1	M00004035D:C05
711	5/14/98	1487	711	RTA00000584F.n.14.1	M00001406A:G12
712	5/14/98	1487	712	RTA00000612F.k.21.2	M00004266B:H06
713	5/14/98	1487	713	RTA00000612F.m.05.1	M00004272D:D02
714	5/14/98	1487	714	RTA00000584F.a.20.2	M00001377C:B08
715	5/14/98	1487	715	RTA00000612F.b.11.2	M00004217A:A05
716	5/14/98	1487	716	RTA00000610F.h.13.1	M00004126D:B11
717	5/14/98	1487	717	RTA00000611F.d.04.1	M00004167C:F10
718	5/14/98	1487	718	RTA00000607F.f.12.2	M00003914C:E03
719	5/14/98	1487	719	RTA00000586F.j.10.1	M00001488B:H02

Priority Appln Information					
SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
720	5/14/98	1487	720	RTA00000584F.p.20.1	M00001411D:C01
721	5/14/98	1487	721	RTA00000612F.i.19.2	M00004253C:E10
722	5/14/98	1487	722	RTA00000608F.i.09.1	M00003996D:C04
723	5/14/98	1487	723	RTA00000584F.g.09.1	M00001390A:H01
724	5/14/98	1487	724	RTA00000584F.n.12.1	M00001405D:F05
725	5/14/98	1487	725	RTA00000584F.j.12.1	M00001397B:H11
726	5/14/98	1487	726	RTA00000611F.h.21.2	M00004183D:B07
727	5/14/98	1487	727	RTA00000606F.l.23.1	M00003871A:E09
728	5/14/98	1487	728	RTA00000585F.b.01.3	M00001415D:A05
729	5/14/98	1487	729	RTA00000595F.i.13.1	M00001623B:B01
730	5/14/98	1487	730	RTA00000589F.l.22.1	M00004158C:F03
731	5/14/98	1487	731	RTA00000608F.l.14.1	M00004031D:G02
732	5/14/98	1487	732	RTA00000614F.k.18.1	M00004469A:C12
733	5/14/98	1487	733	RTA00000609F.g.19.1	M00004068B:D04
734	5/14/98	1487	734	RTA00000606F.g.05.1	M00003845A:A05
735	5/14/98	1487	735	RTA00000585F.i.03.1	M00001434A:A01
736	5/14/98	1487	736	RTA00000590F.a.15.1	M00004247B:C11
737	5/14/98	1487	737	RTA00000612F.j.15.2	M00004260C:A12
738	5/14/98	1487	738	RTA00000612F.g.13.3	M00004241B:B01
739	5/14/98	1487	739	RTA00000606F.d.21.1	M00003835D:H05
740	5/14/98	1487	740	RTA00000584F.b.06.1	M00001378B:F06
741	5/14/98	1487	741	RTA00000614F.e.17.1	M00004410A:E03
742	5/14/98	1487	742	RTA00000612F.a.13.2	M00004213A:H12
743	5/14/98	1487	743	RTA00000585F.o.10.2	M00001448A:D05
744	5/14/98	1487	744	RTA00000588F.i.14.3	M00003830A:A10
745	5/14/98	1487	745	RTA00000595F.e.10.1	M00001605D:G01
746	5/14/98	1487	746	RTA00000584F.b.06.2	M00001378B:F06
747	5/14/98	1487	747	RTA00000608F.j.05.1	M00003998C:H10
748	5/14/98	1487	748	RTA00000611F.j.24.2	M00004190A:C12
749	5/14/98	1487	749	RTA00000606F.h.12.1	M00003850B:D11
750	5/14/98	1487	750	RTA00000608F.c.22.1	M00003980B:F12
751	5/14/98	1487	751	RTA00000588F.b.03.1	M00001618B:F02
752	5/15/98	1488	1	RTA00000623F.c.23.1	M00007118C:G2
753	5/15/98	1488	2	RTA00000592F.e.05.1	M00005799C:C12
754	5/15/98	1488	3	RTA00000590F.p.04.1	M00005390B:G10
755	5/15/98	1488	4	RTA00000621F.m.13.1	M00006986C:G11
756	5/15/98	1488	5	RTA00000625F.n.12.1	M00006604C:H10
757	5/15/98	1488	6	RTA00000624F.b.01.1	M00005539D:G7
758	5/15/98	1488	7	RTA00000618F.h.12.1	M00006698B:E6
759	5/15/98	1488	8	RTA00000615F.h.16.1	M00005015D:D11

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SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
760	5/15/98	1488	9	RTA00000618F.l.23.1	M00006721C:G7
761	5/15/98	1488	10	RTA00000619F.n.10.3	M00006820A:G5
762	5/15/98	1488	11	RTA00000621F.o.06.1	M00006992C:G2
763	5/15/98	1488	12	RTA00000619F.c.17.1	M00006756D:E10
764	5/15/98	1488	13	RTA00000615F.i.14.1	M00005294D:H2
765	5/15/98	1488	14	RTA00000617F.k.23.1	M00005496D:A10
766	5/15/98	1488	15	RTA00000623F.e.05.1	M00007125D:E3
767	5/15/98	1488	16	RTA00000617F.c.04.1	M00005456B:B7
768	5/15/98	1488	17	RTA00000623F.a.23.1	M00007107A:D11
769	5/15/98	1488	18	RTA00000619F.f.15.1	M00006770B:C5
770	5/15/98	1488	19	RTA00000626F.f.07.1	M00006650A:A10
771	5/15/98	1488	20	RTA00000624F.h.14.1	M00005621D:F1
772	5/15/98	1488	21	RTA00000617F.f.09.2	M00005469D:C11
773	5/15/98	1488	22	RTA00000620F.b.02.1	M00006835B:F4
774	5/15/98	1488	23	RTA00000616F.k.05.1	M00005415D:G2
775	5/15/98	1488	24	RTA00000617F.a.01.1	M00005447B:D2
776	5/15/98	1488	25	RTA00000592F.f.23.1	M00006587A:H8
777	5/15/98	1488	26	RTA00000623F.h.17.1	M00007150A:C9
778	5/15/98	1488	27	RTA00000622F.b.02.1	M00007010B:H1
779	5/15/98	1488	28	RTA00000621F.p.05.1	M00006995C:A2
780	5/15/98	1488	29	RTA00000620F.j.05.1	M00006884D:D6
781	5/15/98	1488	30	RTA00000623F.h.20.1	M00007150A:H6
782	5/15/98	1488	31	RTA00000590F.p.21.1	M00005399A:D1
783	5/15/98	1488	32	RTA00000622F.c.03.1	M00007013B:F2
784	5/15/98	1488	33	RTA00000623F.f.06.1	M00007132B:B11
785	5/15/98	1488	34	RTA00000617F.e.23.2	M00005468A:D8
786	5/15/98	1488	35	RTA00000623F.n.17.1	M00007204C:F9
787	5/15/98	1488	36	RTA00000619F.a.12.1	M00006743B:G12
788	5/15/98	1488	37	RTA00000621F.n.06.1	M00006989B:C11
789	5/15/98	1488	38	RTA00000623F.a.18.1	M00007105D:C7
790	5/15/98	1488	39	RTA00000624F.a.15.1	M00005534B:H10
791	5/15/98	1488	40	RTA00000625F.h.04.1	M00005810C:D4
792	5/15/98	1488	41	RTA00000591F.g.05.1	M00005460B:D2
793	5/15/98	1488	42	RTA00000620F.i.14.1	M00006882A:D1
794	5/15/98	1488	43	RTA00000624F.a.14.1	M00005534A:G6
795	5/15/98	1488	44	RTA00000621F.h.14.1	M00006960D:E6
796	5/15/98	1488	45	RTA00000617F.k.19.1	M00005494D:F11
797	5/15/98	1488	46	RTA00000625F.d.17.1	M00005763B:H9
798	5/15/98	1488	47	RTA00000620F.l.13.1	M00006901D:A11
799	5/15/98	1488	48	RTA00000623F.g.04.1	M00007140A:F11

Priority Appln Information					
SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
800	5/15/98	1488	49	RTA00000622F.b.03.1	M00007010B:H3
801	5/15/98	1488	50	RTA00000615F.k.17.1	M00005342A:C4
802	5/15/98	1488	51	RTA00000618F.m.11.1	M00006725A:A3
803	5/15/98	1488	52	RTA00000618F.e.06.1	M00006686A:G12
804	5/15/98	1488	53	RTA00000619F.k.08.1	M00006805B:C4
805	5/15/98	1488	54	RTA00000590F.h.23.2	M00004840C:F2
806	5/15/98	1488	55	RTA00000622F.c.09.1	M00007014C:B7
807	5/15/98	1488	56	RTA00000619F.h.17.1	M00006785B:F9
808	5/15/98	1488	57	RTA00000617F.d.01.1	M00005460A:B10
809	5/15/98	1488	58	RTA00000620F.b.17.1	M00006837C:G6
810	5/15/98	1488	59	RTA00000616F.c.13.1	M00005383D:D6
811	5/15/98	1488	60	RTA00000619F.g.16.1	M00006779B:A11
812	5/15/98	1488	61	RTA00000591F.i.12.1	M00005480A:H12
813	5/15/98	1488	62	RTA00000615F.b.20.1	M00004846A:D2
814	5/15/98	1488	63	RTA00000615F.l.18.1	M00005352C:G9
815	5/15/98	1488	64	RTA00000591F.m.19.1	M00005519B:H4
816	5/15/98	1488	65	RTA00000620F.i.10.1	M00006879A:H11
817	5/15/98	1488	66	RTA00000618F.o.02.1	M00006733D:G12
818	5/15/98	1488	67	RTA00000620F.c.18.1	M00006846A:B1
819	5/15/98	1488	68	RTA00000624F.a.07.1	M00005530B:D3
820	5/15/98	1488	69	RTA00000592F.c.10.1	M00005704A:B11
821	5/15/98	1488	70	RTA00000618F.c.04.1	M00006676B:F11
822	5/15/98	1488	71	RTA00000591F.f.04.1	M00005452C:A2
823	5/15/98	1488	72	RTA00000617F.k.22.1	M00005496C:A1
824	5/15/98	1488	73	RTA00000626F.e.02.1	M00006644A:B11
825	5/15/98	1488	74	RTA00000592F.d.09.1	M00005765C:C4
826	5/15/98	1488	75	RTA00000615F.n.23.1	M00005359D:H8
827	5/15/98	1488	76	RTA00000591F.i.15.1	M00005480C:B12
828	5/15/98	1488	77	RTA00000624F.a.11.1	M00005531B:A3
829	5/15/98	1488	78	RTA00000590F.i.01.1	M00004841C:B9
830	5/15/98	1488	79	RTA00000626F.d.05.1	M00006640A:B1
831	5/15/98	1488	80	RTA00000591F.e.19.1	M00005450A:B10
832	5/15/98	1488	81	RTA00000625F.m.06.1	M00006594A:E8
833	5/15/98	1488	82	RTA00000615F.k.22.1	M00005342B:G10
834	5/15/98	1488	83	RTA00000615F.m.11.1	M00005354C:E2
835	5/15/98	1488	84	RTA00000624F.j.16.1	M00005631A:A11
836	5/15/98	1488	85	RTA00000626F.d.07.1	M00006640B:F5
837	5/15/98	1488	86	RTA00000620F.p.19.1	M00006923C:B1
838	5/15/98	1488	87	RTA00000615F.f.10.1	M00004999A:F1
839	5/15/98	1488	88	RTA00000615F.b.19.1	M00004845D:E11

Priority Appln Information

SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
840	5/15/98	1488	89	RTA00000626F.a.07.1	M00006626A:G11
841	5/15/98	1488	90	RTA00000592F.b.20.1	M00005685B:D8
842	5/15/98	1488	91	RTA00000622F.p.16.1	M00007100C:D1
843	5/15/98	1488	92	RTA00000620F.a.16.1	M00006834A:C8
844	5/15/98	1488	93	RTA00000623F.e.21.1	M00007130B:B3
845	5/15/98	1488	94	RTA00000619F.k.05.1	M00006805A:E11
846	5/15/98	1488	95	RTA00000626F.c.10.1	M00006636D:A5
847	5/15/98	1488	96	RTA00000619F.i.13.1	M00006791B:B8
848	5/15/98	1488	97	RTA00000620F.k.22.1	M00006895D:E10
849	5/15/98	1488	98	RTA00000617F.a.17.1	M00005450D:D2
850	5/15/98	1488	99	RTA00000617F.c.18.1	M00005457D:C8
851	5/15/98	1488	100	RTA00000626F.g.12.1	M00006664B:B4
852	5/15/98	1488	101	RTA00000617F.j.11.1	M00005489A:F6
853	5/15/98	1488	102	RTA00000621F.c.11.1	M00006936B:E9
854	5/15/98	1488	103	RTA00000623F.f.12.1	M00007134B:G7
855	5/15/98	1488	104	RTA00000626F.g.17.1	M00006665A:F7
856	5/15/98	1488	105	RTA00000619F.o.06.4	M00006823D:D12
857	5/15/98	1488	106	RTA00000625F.j.10.1	M00005837A:D12
858	5/15/98	1488	107	RTA00000620F.k.12.1	M00006893C:F2
859	5/15/98	1488	108	RTA00000625F.j.06.1	M00005828D:C9
860	5/15/98	1488	109	RTA00000616F.b.12.1	M00005378A:A8
861	5/15/98	1488	110	RTA00000620F.d.04.1	M00006850C:G7
862	5/15/98	1488	111	RTA00000624F.n.20.1	M00005655D:C4
863	5/15/98	1488	112	RTA00000620F.m.14.1	M00006907C:D3
864	5/15/98	1488	113	RTA00000625F.m.15.1	M00006596D:H4
865	5/15/98	1488	114	RTA00000619F.g.19.1	M00006779D:D3
866	5/15/98	1488	115	RTA00000626F.b.10.1	M00006633D:A6
867	5/15/98	1488	116	RTA00000618F.c.23.1	M00006679C:D7
868	5/15/98	1488	117	RTA00000591F.o.17.1	M00005616B:D5
869	5/15/98	1488	118	RTA00000615F.b.23.1	M00004846D:H9
870	5/15/98	1488	119	RTA00000616F.e.20.1	M00005394A:G7
871	5/15/98	1488	120	RTA00000625F.b.23.1	M00005720B:D9
872	5/15/98	1488	121	RTA00000616F.i.13.4	M00005409D:C2
873	5/15/98	1488	122	RTA00000624F.l.02.1	M00005637D:C5
874	5/15/98	1488	123	RTA00000619F.b.06.1	M00006745D:E8
875	5/15/98	1488	124	RTA00000626F.b.23.1	M00006636A:E6
876	5/15/98	1488	125	RTA00000615F.k.24.1	M00005342D:F3
877	5/15/98	1488	126	RTA00000621F.h.22.1	M00006963A:H11
878	5/15/98	1488	127	RTA00000626F.b.05.1	M00006631D:C4
879	5/15/98	1488	128	RTA00000621F.i.20.2	M00006966D:G3

Priority Appln Information					
SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
880	5/15/98	1488	129	RTA00000624F.m.10.1	M00005646D:B3
881	5/15/98	1488	130	RTA00000623F.m.19.1	M00007198C:A10
882	5/15/98	1488	131	RTA00000622F.c.12.1	M00007014D:D4
883	5/15/98	1488	132	RTA00000617F.i.08.1	M00005483D:A2
884	5/15/98	1488	133	RTA00000625F.b.07.1	M00005710A:C8
885	5/15/98	1488	134	RTA00000620F.f.23.1	M00006867C:E7
886	5/15/98	1488	135	RTA00000620F.f.15.1	M00006866C:F3
887	5/15/98	1488	136	RTA00000621F.k.17.1	M00006974B:D6
888	5/15/98	1488	137	RTA00000625F.h.18.1	M00005813D:F6
889	5/15/98	1488	138	RTA00000622F.p.17.1	M00007101A:A11
890	5/15/98	1488	139	RTA00000620F.d.08.1	M00006851C:H9
891	5/15/98	1488	140	RTA00000621F.i.14.2	M00006966B:B9
892	5/15/98	1488	141	RTA00000625F.j.19.1	M00006576D:F11
893	5/15/98	1488	142	RTA00000618F.o.23.1	M00006737C:A8
894	5/15/98	1488	143	RTA00000618F.m.12.1	M00006725A:B3
895	5/15/98	1488	144	RTA00000625F.o.19.1	M00006616D:C8
896	5/15/98	1488	145	RTA00000619F.a.18.1	M00006744C:C6
897	5/15/98	1488	146	RTA00000624F.c.15.1	M00005565C:A8
898	5/15/98	1488	147	RTA00000617F.e.13.2	M00005465C:H2
899	5/15/98	1488	148	RTA00000592F.j.06.1	M00006664D:H9
900	5/15/98	1488	149	RTA00000615F.n.18.1	M00005359B:G1
901	5/15/98	1488	150	RTA00000624F.c.02.1	M00005550B:D9
902	5/15/98	1488	151	RTA00000620F.j.10.1	M00006886A:D6
903	5/15/98	1488	152	RTA00000620F.e.07.1	M00006860B:H1
904	5/15/98	1488	153	RTA00000625F.g.07.1	M00005798B:C11
905	5/15/98	1488	154	RTA00000617F.d.22.1	M00005462C:B2
906	5/15/98	1488	155	RTA00000622F.a.12.1	M00007006D:D4
907	5/15/98	1488	156	RTA00000620F.i.11.1	M00006879D:A10
908	5/15/98	1488	157	RTA00000616F.k.03.1	M00005415C:G8
909	5/15/98	1488	158	RTA00000624F.k.17.1	M00005636C:D11
910	5/15/98	1488	159	RTA00000615F.f.11.1	M00004999B:D12
911	5/15/98	1488	160	RTA00000620F.o.07.1	M00006917C:E7
912	5/15/98	1488	161	RTA00000617F.k.11.1	M00005493B:C8
913	5/15/98	1488	162	RTA00000622F.g.04.1	M00007037B:D4
914	5/15/98	1488	163	RTA00000591F.n.04.1	M00005528D:H6
915	5/15/98	1488	164	RTA00000625F.a.16.1	M00005706D:A9
916	5/15/98	1488	165	RTA00000620F.m.18.1	M00006908C:A5
917	5/15/98	1488	166	RTA00000620F.a.04.1	M00006832D:F10
918	5/15/98	1488	167	RTA00000624F.j.20.1	M00005632C:D6
919	5/15/98	1488	168	RTA00000590F.n.19.1	M00005378C:A10

Priority Appln Information					
SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
920	5/15/98	1488	169	RTA00000626F.c.13.1	M00006636D:F11
921	5/15/98	1488	170	RTA00000617F.f.01.2	M00005468B:D4
922	5/15/98	1488	171	RTA00000621F.i.18.2	M00006966C:B7
923	5/15/98	1488	172	RTA00000617F.a.13.1	M00005450A:A2
924	5/15/98	1488	173	RTA00000591F.m.06.1	M00005513A:D8
925	5/15/98	1488	174	RTA00000615F.g.07.1	M00005004B:C11
926	5/15/98	1488	175	RTA00000616F.o.24.1	M00005442D:C5
927	5/15/98	1488	176	RTA00000617F.a.20.1	M00005451A:E3
928	5/15/98	1488	177	RTA00000626F.a.18.1	M00006629D:D4
929	5/15/98	1488	178	RTA00000616F.c.23.1	M00005385C:D8
930	5/15/98	1488	179	RTA00000623F.m.07.1	M00007193D:A4
931	5/15/98	1488	180	RTA00000620F.h.18.1	M00006875D:D10
932	5/15/98	1488	181	RTA00000615F.l.16.1	M00005352B:D2
933	5/15/98	1488	182	RTA00000592F.c.17.1	M00005708D:B3
934	5/15/98	1488	183	RTA00000616F.c.24.1	M00005385C:G5
935	5/15/98	1488	184	RTA00000619F.l.16.1	M00006813A:C4
936	5/15/98	1488	185	RTA00000622F.c.18.1	M00007015C:G5
937	5/15/98	1488	186	RTA00000620F.p.09.1	M00006921B:E3
938	5/15/98	1488	187	RTA00000626F.f.08.1	M00006650A:B11
939	5/15/98	1488	188	RTA00000621F.h.08.1	M00006960A:G11
940	5/15/98	1488	189	RTA00000591F.g.19.1	M00005466A:F12
941	5/15/98	1488	190	RTA00000623F.m.10.1	M00007195B:B2
942	5/15/98	1488	191	RTA00000619F.j.13.1	M00006796A:H10
943	5/15/98	1488	192	RTA00000619F.f.22.1	M00006771A:H7
944	5/15/98	1488	193	RTA00000622F.m.06.1	M00007075C:D8
945	5/15/98	1488	194	RTA00000623F.i.03.1	M00007154A:E4
946	5/15/98	1488	195	RTA00000625F.k.08.1	M00006581D:H8
947	5/15/98	1488	196	RTA00000615F.c.13.1	M00004854A:C9
948	5/15/98	1488	197	RTA00000619F.j.11.1	M00006796A:C3
949	5/15/98	1488	198	RTA00000619F.o.01.1	M00006822D:F7
950	5/15/98	1488	199	RTA00000590F.h.12.2	M00004826A:E9
951	5/15/98	1488	200	RTA00000623F.d.07.1	M00007121C:H1
952	5/15/98	1488	201	RTA00000616F.f.24.1	M00005397C:B3
953	5/15/98	1488	202	RTA00000625F.o.03.1	M00006609A:G10
954	5/15/98	1488	203	RTA00000619F.k.20.1	M00006807D:D8
955	5/15/98	1488	204	RTA00000625F.n.22.1	M00006607B:F4
956	5/15/98	1488	205	RTA00000625F.n.03.1	M00006601D:F4
957	5/15/98	1488	206	RTA00000619F.c.13.1	M00006756B:B8
958	5/15/98	1488	207	RTA00000625F.g.21.1	M00005805D:E6
959	5/15/98	1488	208	RTA00000620F.g.06.1	M00006868D:E2

Priority Appln Information					
SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
960	5/15/98	1488	209	RTA00000622F.l.04.1	M00007065B:B12
961	5/15/98	1488	210	RTA00000624F.d.21.1	M00005587B:H2
962	5/15/98	1488	211	RTA00000622F.f.20.1	M00007036A:D2
963	5/15/98	1488	212	RTA00000616F.d.09.1	M00005388A:F7
964	5/15/98	1488	213	RTA00000620F.n.05.1	M00006912B:E1
965	5/15/98	1488	214	RTA00000624F.k.22.1	M00005637B:D12
966	5/15/98	1488	215	RTA00000618F.p.11.1	M00006739B:B12
967	5/15/98	1488	216	RTA00000615F.g.09.1	M00005005C:E6
968	5/15/98	1488	217	RTA00000618F.j.23.1	M00006712B:H10
969	5/15/98	1488	218	RTA00000617F.l.02.1	M00005497B:H7
970	5/15/98	1488	219	RTA00000617F.l.09.1	M00005498B:F8
971	5/15/98	1488	220	RTA00000625F.n.21.1	M00006607B:E3
972	5/15/98	1488	221	RTA00000623F.c.20.1	M00007118B:B4
973	5/15/98	1488	222	RTA00000603F.d.13.1	M00007019A:B1
974	5/15/98	1488	223	RTA00000625F.k.06.1	M00006581C:D2
975	5/15/98	1488	224	RTA00000624F.b.23.1	M00005548B:E3
976	5/15/98	1488	225	RTA00000626F.d.11.1	M00006640D:H8
977	5/15/98	1488	226	RTA00000620F.g.14.1	M00006870C:H6
978	5/15/98	1488	227	RTA00000621F.l.17.1	M00006980A:F2
979	5/15/98	1488	228	RTA00000624F.o.13.1	M00005685A:A4
980	5/15/98	1488	229	RTA00000621F.k.18.1	M00006974B:F6
981	5/15/98	1488	230	RTA00000591F.a.23.1	M00005411D:A3
982	5/15/98	1488	231	RTA00000592F.i.01.1	M00006641C:H2
983	5/15/98	1488	232	RTA00000625F.p.10.1	M00006619B:C11
984	5/15/98	1488	233	RTA00000622F.h.04.1	M00007041B:C5
985	5/15/98	1488	234	RTA00000591F.e.08.1	M00005446A:G1
986	5/15/98	1488	235	RTA00000619F.d.13.1	M00006758D:C4
987	5/15/98	1488	236	RTA00000622F.p.10.1	M00007099A:F9
988	5/15/98	1488	237	RTA00000623F.m.04.1	M00007192C:H8
989	5/15/98	1488	238	RTA00000617F.i.06.1	M00005483A:F5
990	5/15/98	1488	239	RTA00000624F.d.24.1	M00005589C:B3
991	5/15/98	1488	240	RTA00000616F.p.08.1	M00005444B:E11
992	5/15/98	1488	241	RTA00000615F.j.18.1	M00005326B:F3
993	5/15/98	1488	242	RTA00000625F.p.19.1	M00006621A:G10
994	5/15/98	1488	243	RTA00000624F.h.09.1	M00005620C:C5
995	5/15/98	1488	244	RTA00000619F.d.23.1	M00006760D:G12
996	5/15/98	1488	245	RTA00000618F.f.24.1	M00006692B:E4
997	5/15/98	1488	246	RTA00000617F.l.12.1	M00005498C:G5
998	5/15/98	1488	247	RTA00000621F.o.09.1	M00006993B:B9
999	5/15/98	1488	248	RTA00000616F.p.04.1	M00005443D:C12

Priority Appln Information

SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
1000	5/15/98	1488	249	RTA00000620F.c.08.1	M00006841D:A8
1001	5/15/98	1488	250	RTA00000625F.n.01.1	M00006601C:A7
1002	5/15/98	1488	251	RTA00000617F.k.10.1	M00005493B:A12
1003	5/15/98	1488	252	RTA00000624F.l.11.1	M00005641B:E2
1004	5/15/98	1488	253	RTA00000624F.h.06.1	M00005619C:H10
1005	5/15/98	1488	254	RTA00000624F.h.11.1	M00005621A:G10
1006	5/15/98	1488	255	RTA00000590F.h.07.2	M00004824C:G9
1007	5/15/98	1488	256	RTA00000590F.o.09.1	M00005384A:A1
1008	5/15/98	1488	257	RTA00000620F.e.16.1	M00006863B:E6
1009	5/15/98	1488	258	RTA00000620F.k.11.1	M00006893C:B2
1010	5/15/98	1488	259	RTA00000619F.o.18.4	M00006825C:D6
1011	5/15/98	1488	260	RTA00000621F.k.03.1	M00006972A:F10
1012	5/15/98	1488	261	RTA00000625F.c.11.1	M00005722D:G3
1013	5/15/98	1488	262	RTA00000618F.n.05.1	M00006727B:G8
1014	5/15/98	1488	263	RTA00000623F.d.02.1	M00007119B:H10
1015	5/15/98	1488	264	RTA00000615F.k.05.1	M00005330C:F9
1016	5/15/98	1488	265	RTA00000623F.f.09.1	M00007132D:G8
1017	5/15/98	1488	266	RTA00000622F.d.01.1	M00007016C:E6
1018	5/15/98	1488	267	RTA00000618F.p.10.1	M00006739B:B10
1019	5/15/98	1488	268	RTA00000624F.l.23.1	M00005645D:F8
1020	5/15/98	1488	269	RTA00000619F.e.19.1	M00006764B:D5
1021	5/15/98	1488	270	RTA00000622F.h.12.1	M00007043A:B5
1022	5/15/98	1488	271	RTA00000622F.i.23.1	M00007051D:D9
1023	5/15/98	1488	272	RTA00000624F.l.13.1	M00005642B:C3
1024	5/15/98	1488	273	RTA00000624F.a.04.1	M00005528D:A10
1025	5/15/98	1488	274	RTA00000622F.e.17.1	M00007031C:D1
1026	5/15/98	1488	275	RTA00000590F.l.12.1	M00005353B:B9
1027	5/15/98	1488	276	RTA00000626F.f.01.1	M00006648C:E4
1028	5/15/98	1488	277	RTA00000620F.a.05.1	M00006832D:F11
1029	5/15/98	1488	278	RTA00000623F.d.04.1	M00007121A:A5
1030	5/15/98	1488	279	RTA00000618F.p.15.1	M00006739C:H7
1031	5/15/98	1488	280	RTA00000618F.o.03.1	M00006734A:H12
1032	5/15/98	1488	281	RTA00000640F.b.02.1	M00006927C:F12
1033	5/15/98	1488	282	RTA00000619F.g.20.1	M00006780A:H12
1034	5/15/98	1488	283	RTA00000618F.n.09.1	M00006728C:B6
1035	5/15/98	1488	284	RTA00000621F.d.09.1	M00006939B:E5
1036	5/15/98	1488	285	RTA00000619F.n.23.4	M00006822D:D5
1037	5/15/98	1488	286	RTA00000616F.k.16.1	M00005417A:E10
1038	5/15/98	1488	287	RTA00000625F.f.21.1	M00005783A:C5
1039	5/15/98	1488	288	RTA00000619F.b.17.1	M00006751B:B11

Priority Appln Information					
SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
1040	5/15/98	1488	289	RTA00000622F.h.11.1	M00007042A:E7
1041	5/15/98	1488	290	RTA00000621F.k.12.1	M00006973D:E11
1042	5/15/98	1488	291	RTA00000620F.p.08.1	M00006921B:E1
1043	5/15/98	1488	292	RTA00000625F.d.13.1	M00005762D:A1
1044	5/15/98	1488	293	RTA00000592F.g.18.1	M00006618C:G8
1045	5/15/98	1488	294	RTA00000622F.b.17.1	M00007012B:D7
1046	5/15/98	1488	295	RTA00000624F.i.07.1	M00005625D:C3
1047	5/15/98	1488	296	RTA00000619F.c.01.1	M00006754B:D5
1048	5/15/98	1488	297	RTA00000621F.a.07.1	M00006926A:H11
1049	5/15/98	1488	298	RTA00000620F.d.21.1	M00006855C:H2
1050	5/15/98	1488	299	RTA00000616F.c.15.1	M00005383D:E7
1051	5/15/98	1488	300	RTA00000619F.n.19.4	M00006822A:D7
1052	5/15/98	1488	301	RTA00000615F.l.09.1	M00005349B:G1
1053	5/15/98	1488	302	RTA00000626F.b.04.1	M00006631D:B2
1054	5/15/98	1488	303	RTA00000617F.j.23.1	M00005491B:C3
1055	5/15/98	1488	304	RTA00000615F.k.14.1	M00005333C:C8
1056	5/15/98	1488	305	RTA00000616F.l.07.1	M00005419A:D5
1057	5/15/98	1488	306	RTA00000619F.d.04.1	M00006758A:B12
1058	5/15/98	1488	307	RTA00000622F.o.15.1	M00007093A:F9
1059	5/15/98	1488	308	RTA00000625F.m.11.1	M00006594D:F9
1060	5/15/98	1488	309	RTA00000619F.e.10.1	M00006763B:B11
1061	5/15/98	1488	310	RTA00000617F.n.15.1	M00005508B:B4
1062	5/15/98	1488	311	RTA00000615F.n.22.1	M00005359D:G7
1063	5/15/98	1488	312	RTA00000622F.j.21.1	M00007058A:C2
1064	5/15/98	1488	313	RTA00000625F.c.09.1	M00005722A:E9
1065	5/15/98	1488	314	RTA00000591F.m.01.1	M00005510B:D6
1066	5/15/98	1488	315	RTA00000617F.n.14.1	M00005508A:H1
1067	5/15/98	1488	316	RTA00000624F.p.18.1	M00005703A:C8
1068	5/15/98	1488	317	RTA00000623F.j.10.2	M00007163B:A12
1069	5/15/98	1488	318	RTA00000591F.e.20.1	M00005450B:B1
1070	5/15/98	1488	319	RTA00000615F.i.11.1	M00005294C:G8
1071	5/15/98	1488	320	RTA00000622F.p.12.1	M00007099C:F9
1072	5/15/98	1488	321	RTA00000619F.j.22.1	M00006800C:G8
1073	5/15/98	1488	322	RTA00000621F.g.12.1	M00006953D:H11
1074	5/15/98	1488	323	RTA00000617F.m.14.1	M00005505A:C8
1075	5/15/98	1488	324	RTA00000619F.k.06.1	M00006805A:H9
1076	5/15/98	1488	325	RTA00000616F.k.18.1	M00005417C:E10
1077	5/15/98	1488	326	RTA00000625F.d.04.1	M00005743B:F2
1078	5/15/98	1488	327	RTA00000626F.b.06.1	M00006631D:E9
1079	5/15/98	1488	328	RTA00000621F.p.15.1	M00006997B:E6

Priority Appln Information

SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
1080	5/15/98	1488	329	RTA00000618F.d.19.1	M00006681C:G4
1081	5/15/98	1488	330	RTA00000618F.a.02.1	M00006665B:D10
1082	5/15/98	1488	331	RTA00000592F.f.15.1	M00006577B:H12
1083	5/15/98	1488	332	RTA00000619F.d.12.1	M00006758D:C1
1084	5/15/98	1488	333	RTA00000624F.d.08.1	M00005571A:E11
1085	5/15/98	1488	334	RTA00000620F.o.15.1	M00006919B:C3
1086	5/15/98	1488	335	RTA00000620F.e.03.1	M00006859A:F6
1087	5/15/98	1488	336	RTA00000622F.a.24.1	M00007010B:C11
1088	5/15/98	1488	337	RTA00000619F.n.04.2	M00006819A:D10
1089	5/15/98	1488	338	RTA00000616F.d.16.1	M00005388D:F9
1090	5/15/98	1488	339	RTA00000622F.n.15.1	M00007085A:B7
1091	5/15/98	1488	340	RTA00000619F.i.04.1	M00006789C:F4
1092	5/15/98	1488	341	RTA00000617F.i.13.1	M00005484A:D9
1093	5/15/98	1488	342	RTA00000616F.l.11.1	M00005419C:D9
1094	5/15/98	1488	343	RTA00000617F.b.18.1	M00005454C:H12
1095	5/15/98	1488	344	RTA00000618F.j.01.1	M00006705B:D2
1096	5/15/98	1488	345	RTA00000618F.k.24.1	M00006717A:D4
1097	5/15/98	1488	346	RTA00000618F.c.05.1	M00006676D:D11
1098	5/15/98	1488	347	RTA00000619F.g.08.1	M00006777B:D10
1099	5/15/98	1488	348	RTA00000618F.n.04.1	M00006727B:E9
1100	5/15/98	1488	349	RTA00000617F.i.09.1	M00005483D:A12
1101	5/15/98	1488	350	RTA00000617F.l.04.1	M00005497C:C7
1102	5/15/98	1488	351	RTA00000619F.n.17.4	M00006821C:C10
1103	5/15/98	1488	352	RTA00000622F.l.09.1	M00007065D:C1
1104	5/15/98	1488	353	RTA00000623F.j.03.2	M00007161A:H3
1105	5/15/98	1488	354	RTA00000615F.m.17.1	M00005356A:D9
1106	5/15/98	1488	355	RTA00000616F.g.13.1	M00005400A:D2
1107	5/15/98	1488	356	RTA00000615F.f.15.1	M00004999D:E1
1108	5/15/98	1488	357	RTA00000591F.f.15.1	M00005455A:D1
1109	5/15/98	1488	358	RTA00000592F.g.07.1	M00006596A:F7
1110	5/15/98	1488	359	RTA00000625F.o.16.1	M00006615D:F4
1111	5/15/98	1488	360	RTA00000622F.f.13.1	M00007033D:F4
1112	5/15/98	1488	361	RTA00000619F.p.02.3	M00006826B:H3
1113	5/15/98	1488	362	RTA00000625F.h.11.1	M00005812C:F10
1114	5/15/98	1488	363	RTA00000591F.i.05.1	M00005477C:D8
1115	5/15/98	1488	364	RTA00000622F.j.07.1	M00007053B:C7
1116	5/15/98	1488	365	RTA00000619F.k.01.1	M00006801A:G5
1117	5/15/98	1488	366	RTA00000619F.b.24.1	M00006754B:D5
1118	5/15/98	1488	367	RTA00000619F.b.16.1	M00006751A:F3
1119	5/15/98	1488	368	RTA00000618F.p.04.1	M00006738A:E5

Priority Appln Information

SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
1120	5/15/98	1488	369	RTA00000615F.k.18.1	M00005342A:D4
1121	5/15/98	1488	370	RTA00000618F.g.23.1	M00006695B:F8
1122	5/15/98	1488	371	RTA00000618F.n.14.1	M00006728D:G10
1123	5/15/98	1488	372	RTA00000619F.e.23.1	M00006765B:H6
1124	5/15/98	1488	373	RTA00000617F.j.06.1	M00005487A:H1
1125	5/15/98	1488	374	RTA00000622F.f.06.1	M00007033A:H5
1126	5/15/98	1488	375	RTA00000622F.e.09.1	M00007030C:F8
1127	5/15/98	1488	376	RTA00000624F.k.11.1	M00005635C:F11
1128	5/15/98	1488	377	RTA00000619F.a.24.1	M00006745A:A1
1129	5/15/98	1488	378	RTA00000625F.i.03.1	M00005818C:G1
1130	5/15/98	1488	379	RTA00000590F.l.10.1	M00005352D:E6
1131	5/15/98	1488	380	RTA00000623F.d.12.1	M00007122B:A11
1132	5/15/98	1488	381	RTA00000622F.o.05.1	M00007090B:A2
1133	5/15/98	1488	382	RTA00000623F.n.07.1	M00007200B:C2
1134	5/15/98	1488	383	RTA00000621F.k.10.1	M00006973C:E11
1135	5/15/98	1488	384	RTA00000616F.b.05.1	M00005377A:A4
1136	5/15/98	1488	385	RTA00000619F.p.11.4	M00006828D:C12
1137	5/15/98	1488	386	RTA00000616F.d.15.1	M00005388D:B11
1138	5/15/98	1488	387	RTA00000615F.b.07.1	M00004839C:B1
1139	5/15/98	1488	388	RTA00000619F.f.19.1	M00006771A:E6
1140	5/15/98	1488	389	RTA00000621F.l.06.1	M00006976C:E9
1141	5/15/98	1488	390	RTA00000624F.m.08.1	M00005646C:B9
1142	5/15/98	1488	391	RTA00000617F.k.13.1	M00005493B:E1
1143	5/15/98	1488	392	RTA00000592F.h.07.1	M00006630B:H6
1144	5/15/98	1488	393	RTA00000619F.f.24.1	M00006771B:F3
1145	5/15/98	1488	394	RTA00000622F.e.20.1	M00007032A:F11
1146	5/15/98	1488	395	RTA00000623F.h.23.1	M00007152A:B4
1147	5/15/98	1488	396	RTA00000626F.b.20.1	M00006635C:B10
1148	5/15/98	1488	397	RTA00000623F.n.03.1	M00007199D:B7
1149	5/15/98	1488	398	RTA00000625F.i.02.1	M00005818C:E8
1150	5/15/98	1488	399	RTA00000622F.i.08.1	M00007047B:D1
1151	5/15/98	1488	400	RTA00000621F.c.23.1	M00006937B:G9
1152	5/15/98	1488	401	RTA00000619F.f.11.1	M00006769D:A4
1153	5/15/98	1488	402	RTA00000621F.b.14.1	M00006934A:G2
1154	5/15/98	1488	403	RTA00000621F.g.10.1	M00006953B:H10
1155	5/15/98	1488	404	RTA00000619F.p.22.3	M00006832A:F5
1156	5/15/98	1488	405	RTA00000590F.p.23.1	M00005399D:B2
1157	5/15/98	1488	406	RTA00000621F.m.23.1	M00006987B:F4
1158	5/15/98	1488	407	RTA00000592F.d.20.1	M00005772A:F3
1159	5/15/98	1488	408	RTA00000624F.m.14.1	M00005647D:D9

Priority Appln Information					
SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
1160	5/15/98	1488	409	RTA00000617F.a.08.1	M00005448D:E8
1161	5/15/98	1488	410	RTA00000620F.i.04.1	M00006877B:E5
1162	5/15/98	1488	411	RTA00000623F.l.12.1	M00007188A:D3
1163	5/15/98	1488	412	RTA00000591F.b.02.1	M00005411D:E5
1164	5/15/98	1488	413	RTA00000623F.h.07.1	M00007146D:G1
1165	5/15/98	1488	414	RTA00000624F.p.21.1	M00005703C:B1
1166	5/15/98	1488	415	RTA00000623F.j.09.2	M00007163A:F11
1167	5/15/98	1488	416	RTA00000623F.l.17.1	M00007189D:A9
1168	5/15/98	1488	417	RTA00000619F.p.18.3	M00006831B:B4
1169	5/15/98	1488	418	RTA00000622F.h.06.1	M00007041B:G1
1170	5/15/98	1488	419	RTA00000591F.m.20.1	M00005519C:F8
1171	5/15/98	1488	420	RTA00000623F.h.10.1	M00007148B:C6
1172	5/15/98	1488	421	RTA00000619F.i.10.1	M00006790D:A5
1173	5/15/98	1488	422	RTA00000625F.b.13.1	M00005711A:H1
1174	5/15/98	1488	423	RTA00000623F.e.16.1	M00007129A:E4
1175	5/15/98	1488	424	RTA00000625F.k.12.1	M00006582D:E5
1176	5/15/98	1488	425	RTA00000624F.i.09.1	M00005626A:B11
1177	5/15/98	1488	426	RTA00000625F.k.09.1	M00006582A:B9
1178	5/15/98	1488	427	RTA00000622F.k.10.1	M00007062A:D3
1179	5/15/98	1488	428	RTA00000616F.h.12.1	M00005403D:E11
1180	5/15/98	1488	429	RTA00000623F.k.07.1	M00007170D:A10
1181	5/15/98	1488	430	RTA00000620F.p.18.1	M00006923B:H8
1182	5/15/98	1488	431	RTA00000620F.e.01.1	M00006855D:H2
1183	5/15/98	1488	432	RTA00000616F.b.10.1	M00005377D:F11
1184	5/15/98	1488	433	RTA00000615F.d.06.1	M00004858D:E6
1185	5/15/98	1488	434	RTA00000592F.h.23.1	M00006640B:H9
1186	5/15/98	1488	435	RTA00000622F.e.07.1	M00007030A:G1
1187	5/15/98	1488	436	RTA00000617F.f.23.2	M00005473D:E10
1188	5/15/98	1488	437	RTA00000620F.h.10.1	M00006875A:A2
1189	5/15/98	1488	438	RTA00000615F.g.19.1	M00005009B:A2
1190	5/15/98	1488	439	RTA00000626F.b.09.1	M00006633C:E11
1191	5/15/98	1488	440	RTA00000626F.e.10.1	M00006644D:C2
1192	5/15/98	1488	441	RTA00000591F.a.08.1	M00005404C:F2
1193	5/15/98	1488	442	RTA00000622F.j.09.1	M00007053B:H3
1194	5/15/98	1488	443	RTA00000591F.n.01.1	M00005524C:B1
1195	5/15/98	1488	444	RTA00000623F.e.12.1	M00007127B:A4
1196	5/15/98	1488	445	RTA00000625F.p.01.1	M00006617B:D9
1197	5/15/98	1488	446	RTA00000623F.f.13.1	M00007134C:F7
1198	5/15/98	1488	447	RTA00000620F.c.24.1	M00006850C:D9
1199	5/15/98	1488	448	RTA00000618F.i.21.1	M00006704D:D3

Priority Appln Information					
SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
1200	5/15/98	1488	449	RTA00000617F.l.08.1	M00005497C:E3
1201	5/15/98	1488	450	RTA00000619F.l.07.1	M00006810D:A5
1202	5/15/98	1488	451	RTA00000624F.n.16.1	M00005655B:C2
1203	5/15/98	1488	452	RTA00000621F.n.24.1	M00006991D:G7
1204	5/15/98	1488	453	RTA00000621F.c.20.1	M00006937B:F7
1205	5/15/98	1488	454	RTA00000623F.g.07.1	M00007140D:C12
1206	5/15/98	1488	455	RTA00000591F.i.17.1	M00005481C:A5
1207	5/15/98	1488	456	RTA00000626F.b.22.1	M00006636A:B8
1208	5/15/98	1488	457	RTA00000620F.i.16.1	M00006882D:F3
1209	5/15/98	1488	458	RTA00000623F.f.21.1	M00007137D:C10
1210	5/15/98	1488	459	RTA00000591F.f.18.1	M00005455A:G3
1211	5/15/98	1488	460	RTA00000616F.e.10.1	M00005392C:C4
1212	5/15/98	1488	461	RTA00000619F.l.22.1	M00006814A:F7
1213	5/15/98	1488	462	RTA00000591F.a.20.1	M00005411A:C7
1214	5/15/98	1488	463	RTA00000623F.b.23.1	M00007112B:C6
1215	5/15/98	1488	464	RTA00000621F.n.15.1	M00006990B:H9
1216	5/15/98	1488	465	RTA00000620F.m.15.1	M00006907D:C7
1217	5/15/98	1488	466	RTA00000591F.a.15.1	M00005406D:B8
1218	5/15/98	1488	467	RTA00000620F.p.05.1	M00006921B:C2
1219	5/15/98	1488	468	RTA00000620F.h.04.1	M00006873B:G11
1220	5/15/98	1488	469	RTA00000592F.g.15.1	M00006615B:F5
1221	5/15/98	1488	470	RTA00000625F.b.21.1	M00005720A:D3
1222	5/15/98	1488	471	RTA00000621F.n.18.1	M00006991A:E7
1223	5/15/98	1488	472	RTA00000591F.h.08.1	M00005470B:E1
1224	5/15/98	1488	473	RTA00000591F.j.13.1	M00005486C:B3
1225	5/15/98	1488	474	RTA00000626F.e.08.1	M00006644C:E9
1226	5/15/98	1488	475	RTA00000623F.d.23.1	M00007124C:A11
1227	5/15/98	1488	476	RTA00000592F.g.04.1	M00006592A:D3
1228	5/15/98	1488	477	RTA00000590F.p.22.1	M00005399B:F2
1229	5/15/98	1488	478	RTA00000590F.n.10.1	M00005377A:D5
1230	5/15/98	1488	479	RTA00000623F.j.16.2	M00007166B:E6
1231	5/15/98	1488	480	RTA00000619F.j.19.1	M00006797B:D12
1232	5/15/98	1488	481	RTA00000621F.c.12.1	M00006936B:F10
1233	5/15/98	1488	482	RTA00000618F.b.17.1	M00006674B:F4
1234	5/15/98	1488	483	RTA00000621F.p.08.1	M00006995D:A3
1235	5/15/98	1488	484	RTA00000626F.b.13.1	M00006634B:C2
1236	5/15/98	1488	485	RTA00000623F.e.18.1	M00007129A:G10
1237	5/15/98	1488	486	RTA00000625F.j.01.1	M00005827B:H8
1238	5/15/98	1488	487	RTA00000625F.o.18.1	M00006616C:H9
1239	5/15/98	1488	488	RTA00000623F.k.13.1	M00007172D:C8

Priority Appln Information

SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
1240	5/15/98	1488	489	RTA00000623F.k.10.1	M00007172A:A5
1241	5/15/98	1488	490	RTA00000626F.d.12.1	M00006641A:B3
1242	5/15/98	1488	491	RTA00000626F.d.23.1	M00006643A:E10
1243	5/15/98	1488	492	RTA00000623F.j.02.1	M00007160C:B8
1244	5/15/98	1488	493	RTA00000618F.o.07.1	M00006735A:H2
1245	5/15/98	1488	494	RTA00000620F.a.08.1	M00006833B:E11
1246	5/15/98	1488	495	RTA00000623F.d.11.1	M00007122A:G11
1247	5/15/98	1488	496	RTA00000623F.h.16.1	M00007149D:G6
1248	5/15/98	1488	497	RTA00000624F.a.17.1	M00005535B:F6
1249	5/15/98	1488	498	RTA00000621F.n.17.1	M00006990D:D6
1250	5/15/98	1488	499	RTA00000625F.n.02.1	M00006601C:E6
1251	5/15/98	1488	500	RTA00000591F.n.05.1	M00005530B:E4
1252	5/15/98	1488	501	RTA00000622F.n.09.1	M00007084B:A5
1253	5/15/98	1488	502	RTA00000617F.l.05.1	M00005497C:C10
1254	5/15/98	1488	503	RTA00000623F.j.08.2	M00007163A:B10
1255	5/15/98	1488	504	RTA00000626F.g.02.1	M00006656C:C10
1256	5/15/98	1488	505	RTA00000617F.l.06.1	M00005497C:C12
1257	5/15/98	1488	506	RTA00000592F.a.06.1	M00005635B:A6
1258	5/15/98	1488	507	RTA00000591F.j.11.1	M00005485C:A3
1259	5/15/98	1488	508	RTA00000622F.h.21.1	M00007046A:D2
1260	5/15/98	1488	509	RTA00000591F.h.03.1	M00005468D:F4
1261	5/15/98	1488	510	RTA00000620F.g.22.1	M00006872B:G1
1262	5/15/98	1488	511	RTA00000617F.c.05.1	M00005456B:E3
1263	5/15/98	1488	512	RTA00000616F.e.15.3	M00005393A:E11
1264	5/15/98	1488	513	RTA00000616F.f.15.3	M00005396B:C4
1265	5/15/98	1488	514	RTA00000622F.c.11.1	M00007014D:C5
1266	5/15/98	1488	515	RTA00000621F.f.12.1	M00006949B:F3
1267	5/15/98	1488	516	RTA00000603F.c.23.1	M00006720C:C11
1268	5/15/98	1488	517	RTA00000640F.a.23.1	M00005817D:E12
1269	5/15/98	1488	518	RTA00000618F.h.15.1	M00006699B:C7
1270	5/15/98	1488	519	RTA00000616F.p.22.1	M00005446C:D12
1271	5/15/98	1488	520	RTA00000621F.p.18.1	M00006997D:B3
1272	5/15/98	1488	521	RTA00000615F.b.10.1	M00004840C:H5
1273	5/15/98	1488	522	RTA00000590F.l.05.1	M00005332A:H10
1274	5/15/98	1488	523	RTA00000619F.g.06.1	M00006774D:C1
1275	5/15/98	1488	524	RTA00000619F.c.24.1	M00006757D:E4
1276	5/15/98	1488	525	RTA00000619F.f.23.1	M00006771B:A9
1277	5/15/98	1489	1	RTA00000639F.e.11.1	M00023011A:A6
1278	5/15/98	1489	2	RTA00000631F.e.20.1	M00022386B:D11
1279	5/15/98	1489	3	RTA00000631F.e.15.1	M00022386A:A7

Priority Appln Information					
SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
1280	5/15/98	1489	4	RTA00000639F.d.02.1	M00022993A:F2
1281	5/15/98	1489	5	RTA00000639F.f.10.1	M00023021A:H8
1282	5/15/98	1489	6	RTA00000628F.e.17.1	M00021862D:F1
1283	5/15/98	1489	7	RTA00000627F.p.18.1	M00021670B:G11
1284	5/15/98	1489	8	RTA00000633F.o.22.1	M00022901D:C9
1285	5/15/98	1489	9	RTA00000632F.b.04.1	M00022493C:B7
1286	5/15/98	1489	10	RTA00000639F.g.14.1	M00023034C:E5
1287	5/15/98	1489	11	RTA00000631F.p.10.1	M00022474A:H9
1288	5/15/98	1489	12	RTA00000628F.c.20.1	M00021828A:C8
1289	5/15/98	1489	13	RTA00000630F.o.20.1	M00022289A:D5
1290	5/15/98	1489	14	RTA00000630F.e.18.1	M00022202C:F11
1291	5/15/98	1489	15	RTA00000628F.b.18.1	M00021690C:B7
1292	5/15/98	1489	16	RTA00000590F.j.07.1	M00004873C:C10
1293	5/15/98	1489	17	RTA00000630F.a.19.1	M00022169D:C2
1294	5/15/98	1489	18	RTA00000630F.i.02.1	M00022226D:A7
1295	5/15/98	1489	19	RTA00000631F.a.22.1	M00022364C:G12
1296	5/15/98	1489	20	RTA00000630F.l.19.1	M00022255D:E3
1297	5/15/98	1489	21	RTA00000633F.a.15.1	M00022661D:H1
1298	5/15/98	1489	22	RTA00000639F.c.06.1	M00022972D:C10
1299	5/15/98	1489	23	RTA00000630F.p.23.1	M00022305C:A1
1300	5/15/98	1489	24	RTA00000629F.o.19.2	M00022150D:D11
1301	5/15/98	1489	25	RTA00000632F.j.18.1	M00022599D:E7
1302	5/15/98	1489	26	RTA00000630F.o.21.1	M00022289D:B6
1303	5/15/98	1489	27	RTA00000629F.l.02.1	M00022117C:G7
1304	5/15/98	1489	28	RTA00000628F.e.13.1	M00021861C:A2
1305	5/15/98	1489	29	RTA00000632F.j.02.1	M00022587C:G4
1306	5/15/98	1489	30	RTA00000639F.e.01.1	M00023003C:A3
1307	5/15/98	1489	31	RTA00000631F.f.01.1	M00022386C:D7
1308	5/15/98	1489	32	RTA00000630F.p.22.1	M00022305A:H11
1309	5/15/98	1489	33	RTA00000628F.l.05.1	M00021946D:C11
1310	5/15/98	1489	34	RTA00000629F.b.06.1	M00022049A:A2
1311	5/15/98	1489	35	RTA00000628F.g.20.1	M00021892B:H3
1312	5/15/98	1489	36	RTA00000628F.n.11.1	M00021982C:F8
1313	5/15/98	1489	37	RTA00000593F.e.21.1	M00022074D:F11
1314	5/15/98	1489	38	RTA00000633F.c.07.1	M00022674D:G4
1315	5/15/98	1489	39	RTA00000629F.k.17.1	M00022110A:E4
1316	5/15/98	1489	40	RTA00000633F.a.11.1	M00022661B:E11
1317	5/15/98	1489	41	RTA00000629F.e.16.1	M00022068D:D12
1318	5/15/98	1489	42	RTA00000631F.c.01.1	M00022372B:D3
1319	5/15/98	1489	43	RTA00000630F.n.22.1	M00022278C:E3

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SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
1320	5/15/98	1489	44	RTA00000628F.j.14.1	M00021927B:F1
1321	5/15/98	1489	45	RTA00000631F.l.14.1	M00022449D:F6
1322	5/15/98	1489	46	RTA00000631F.j.06.1	M00022423B:D3
1323	5/15/98	1489	47	RTA00000630F.b.17.1	M00022175A:A11
1324	5/15/98	1489	48	RTA00000593F.i.08.2	M00022218C:B6
1325	5/15/98	1489	49	RTA00000631F.l.12.1	M00022449C:B1
1326	5/15/98	1489	50	RTA00000628F.m.20.1	M00021978A:F8
1327	5/15/98	1489	51	RTA00000632F.c.02.1	M00022504B:E3
1328	5/15/98	1489	52	RTA00000632F.h.03.1	M00022565C:H2
1329	5/15/98	1489	53	RTA00000592F.l.16.1	M00007977C:E8
1330	5/15/98	1489	54	RTA00000630F.c.01.1	M00022176A:E8
1331	5/15/98	1489	55	RTA00000593F.e.19.1	M00022071C:D9
1332	5/15/98	1489	56	RTA00000632F.a.10.1	M00022490C:C1
1333	5/15/98	1489	57	RTA00000632F.f.12.1	M00022536B:B4
1334	5/15/98	1489	58	RTA00000630F.m.06.1	M00022259B:G2
1335	5/15/98	1489	59	RTA00000629F.e.07.1	M00022067D:C5
1336	5/15/98	1489	60	RTA00000627F.k.19.1	M00021618D:D7
1337	5/15/98	1489	61	RTA00000629F.o.15.2	M00022149B:D5
1338	5/15/98	1489	62	RTA00000592F.o.02.1	M00008015D:E9
1339	5/15/98	1489	63	RTA00000628F.h.18.1	M00021906C:G11
1340	5/15/98	1489	64	RTA00000632F.h.23.1	M00022578D:A8
1341	5/15/98	1489	65	RTA00000639F.h.18.1	M00023103A:E11
1342	5/15/98	1489	66	RTA00000630F.p.11.1	M00022296B:C11
1343	5/15/98	1489	67	RTA00000632F.o.18.1	M00022651D:C6
1344	5/15/98	1489	68	RTA00000629F.a.24.1	M00022032A:E7
1345	5/15/98	1489	69	RTA00000633F.f.19.1	M00022708D:G10
1346	5/15/98	1489	70	RTA00000627F.n.04.1	M00021640A:G3
1347	5/15/98	1489	71	RTA00000630F.p.04.1	M00022294A:D11
1348	5/15/98	1489	72	RTA00000633F.h.21.1	M00022730A:E4
1349	5/15/98	1489	73	RTA00000632F.d.12.1	M00022515D:C4
1350	5/15/98	1489	74	RTA00000627F.o.23.1	M00021660C:G4
1351	5/15/98	1489	75	RTA00000628F.j.12.1	M00021927A:C11
1352	5/15/98	1489	76	RTA00000632F.f.03.1	M00022531B:D7
1353	5/15/98	1489	77	RTA00000593F.o.03.1	M00022549B:G7
1354	5/15/98	1489	78	RTA00000631F.b.06.1	M00022366B:E9
1355	5/15/98	1489	79	RTA00000633F.g.15.1	M00022716D:D8
1356	5/15/98	1489	80	RTA00000594F.b.04.1	M00022828C:E4
1357	5/15/98	1489	81	RTA00000623F.o.14.1	M00007929B:H10
1358	5/15/98	1489	82	RTA00000632F.g.02.1	M00022551A:G3
1359	5/15/98	1489	83	RTA00000629F.h.11.1	M00022084B:F4

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SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
1360	5/15/98	1489	84	RTA00000632F.b.17.1	M00022498C:C8
1361	5/15/98	1489	85	RTA00000631F.m.04.1	M00022452C:B3
1362	5/15/98	1489	86	RTA00000627F.k.02.1	M00021614B:G12
1363	5/15/98	1489	87	RTA00000631F.n.06.1	M00022457C:B1
1364	5/15/98	1489	88	RTA00000633F.i.15.1	M00022737A:C8
1365	5/15/98	1489	89	RTA00000639F.f.11.1	M00023023A:B12
1366	5/15/98	1489	90	RTA00000630F.j.04.1	M00022236D:A3
1367	5/15/98	1489	91	RTA00000630F.j.14.1	M00022239D:A7
1368	5/15/98	1489	92	RTA00000627F.k.24.1	M00021619B:G10
1369	5/15/98	1489	93	RTA00000630F.j.13.1	M00022239B:B7
1370	5/15/98	1489	94	RTA00000629F.j.07.1	M00022094B:G10
1371	5/15/98	1489	95	RTA00000628F.m.02.1	M00021964A:C4
1372	5/15/98	1489	96	RTA00000639F.g.08.1	M00023033A:E10
1373	5/15/98	1489	97	RTA00000628F.i.05.1	M00021910A:C10
1374	5/15/98	1489	98	RTA00000639F.a.16.1	M00022953B:C7
1375	5/15/98	1489	99	RTA00000633F.c.21.1	M00022682A:F12
1376	5/15/98	1489	100	RTA00000639F.b.03.1	M00022960D:E8
1377	5/15/98	1489	101	RTA00000633F.b.05.1	M00022666C:H11
1378	5/15/98	1489	102	RTA00000631F.h.05.2	M00022412A:C8
1379	5/15/98	1489	103	RTA00000628F.h.14.1	M00021905B:A1
1380	5/15/98	1489	104	RTA00000633F.b.03.1	M00022666B:E12
1381	5/15/98	1489	105	RTA00000632F.g.08.1	M00022556B:G2
1382	5/15/98	1489	106	RTA00000593F.g.18.1	M00022171D:B8
1383	5/15/98	1489	107	RTA00000592F.p.10.1	M00008061A:F2
1384	5/15/98	1489	108	RTA00000639F.f.19.1	M00023028A:A2
1385	5/15/98	1489	109	RTA00000630F.f.04.1	M00022206B:G6
1386	5/15/98	1489	110	RTA00000633F.o.02.1	M00022893C:H11
1387	5/15/98	1489	111	RTA00000632F.b.12.1	M00022495C:G5
1388	5/15/98	1489	112	RTA00000632F.g.20.1	M00022562C:H10
1389	5/15/98	1489	113	RTA00000593F.f.12.1	M00022109B:A11
1390	5/15/98	1489	114	RTA00000633F.c.19.1	M00022681C:H2
1391	5/15/98	1489	115	RTA00000629F.e.12.1	M00022068B:H11
1392	5/15/98	1489	116	RTA00000629F.j.01.1	M00022093A:A5
1393	5/15/98	1489	117	RTA00000627F.m.07.1	M00021625A:C7
1394	5/15/98	1489	118	RTA00000633F.n.12.1	M00022856C:B11
1395	5/15/98	1489	119	RTA00000632F.e.15.1	M00022527D:B3
1396	5/15/98	1489	120	RTA00000632F.a.09.1	M00022490C:A8
1397	5/15/98	1489	121	RTA00000631F.k.12.1	M00022439A:E7
1398	5/15/98	1489	122	RTA00000628F.c.02.1	M00021694B:A7
1399	5/15/98	1489	123	RTA00000632F.f.10.1	M00022535D:B11

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SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
1400	5/15/98	1489	124	RTA00000631F.f.11.1	M00022389B:H4
1401	5/15/98	1489	125	RTA00000633F.n.06.1	M00022854D:H7
1402	5/15/98	1489	126	RTA00000628F.l.14.1	M00021954A:A3
1403	5/15/98	1489	127	RTA00000632F.k.10.1	M00022607B:A4
1404	5/15/98	1489	128	RTA00000629F.b.08.1	M00022049A:D6
1405	5/15/98	1489	129	RTA00000629F.l.10.1	M00022122D:D6
1406	5/15/98	1489	130	RTA00000632F.c.04.1	M00022505D:A12
1407	5/15/98	1489	131	RTA00000630F.h.22.1	M00022221D:E8
1408	5/15/98	1489	132	RTA00000593F.e.18.1	M00022070B:C10
1409	5/15/98	1489	133	RTA00000630F.l.02.1	M00022252C:E6
1410	5/15/98	1489	134	RTA00000632F.k.20.1	M00022613D:C4
1411	5/15/98	1489	135	RTA00000628F.p.01.1	M00022005C:G3
1412	5/15/98	1489	136	RTA00000631F.l.01.1	M00022444A:A11
1413	5/15/98	1489	137	RTA00000628F.a.16.1	M00021678A:B8
1414	5/15/98	1489	138	RTA00000632F.j.14.1	M00022598A:F11
1415	5/15/98	1489	139	RTA00000628F.e.06.1	M00021859A:D4
1416	5/15/98	1489	140	RTA00000631F.n.08.1	M00022458B:E6
1417	5/15/98	1489	141	RTA00000630F.g.18.1	M00022216D:C1
1418	5/15/98	1489	142	RTA00000628F.m.08.1	M00021967D:E8
1419	5/15/98	1489	143	RTA00000592F.k.12.1	M00007961A:B1
1420	5/15/98	1489	144	RTA00000631F.e.22.1	M00022386C:A4
1421	5/15/98	1489	145	RTA00000628F.b.21.1	M00021692A:E3
1422	5/15/98	1489	146	RTA00000631F.d.13.1	M00022381C:C12
1423	5/15/98	1489	147	RTA00000629F.p.04.2	M00022153D:D11
1424	5/15/98	1489	148	RTA00000628F.b.01.1	M00021680B:C1
1425	5/15/98	1489	149	RTA00000630F.c.19.1	M00022183A:G3
1426	5/15/98	1489	150	RTA00000593F.l.06.1	M00022404D:G5
1427	5/15/98	1489	151	RTA00000628F.c.11.1	M00021698B:B12
1428	5/15/98	1489	152	RTA00000630F.l.05.1	M00022253B:E6
1429	5/15/98	1489	153	RTA00000628F.b.22.1	M00021692C:E6
1430	5/15/98	1489	154	RTA00000633F.g.19.1	M00022718D:G5
1431	5/15/98	1489	155	RTA00000629F.p.10.2	M00022157B:A10
1432	5/15/98	1489	156	RTA00000628F.b.17.1	M00021690B:B6
1433	5/15/98	1489	157	RTA00000627F.j.18.1	M00021611D:H3
1434	5/15/98	1489	158	RTA00000627F.p.10.1	M00021665A:D4
1435	5/15/98	1489	159	RTA00000628F.e.15.1	M00021862A:A4
1436	5/15/98	1489	160	RTA00000630F.h.12.1	M00022218D:B12
1437	5/15/98	1489	161	RTA00000628F.i.08.1	M00021912B:H11
1438	5/15/98	1489	162	RTA00000630F.c.09.1	M00022178D:H1
1439	5/15/98	1489	163	RTA00000633F.o.08.1	M00022897A:F4

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SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
1440	5/15/98	1489	164	RTA00000628F.i.07.1	M00021947A:C1
1441	5/15/98	1489	165	RTA00000628F.n.18.1	M00021983D:B10
1442	5/15/98	1489	166	RTA00000630F.l.10.1	M00022254C:D8
1443	5/15/98	1489	167	RTA00000632F.i.01.1	M00022578D:F3
1444	5/15/98	1489	168	RTA00000629F.j.04.1	M00022093D:B10
1445	5/15/98	1489	169	RTA00000627F.j.16.1	M00021611D:D5
1446	5/15/98	1489	170	RTA00000629F.e.20.1	M00022069D:G2
1447	5/15/98	1489	171	RTA00000632F.h.21.1	M00022578C:B7
1448	5/15/98	1489	172	RTA00000629F.p.09.2	M00022157A:F12
1449	5/15/98	1489	173	RTA00000631F.d.22.1	M00022382D:H11
1450	5/15/98	1489	174	RTA00000630F.l.14.1	M00022255A:C8
1451	5/15/98	1489	175	RTA00000633F.h.12.1	M00022725C:E9
1452	5/15/98	1489	176	RTA00000630F.i.11.1	M00022231C:A4
1453	5/15/98	1489	177	RTA00000632F.a.05.1	M00022489C:A8
1454	5/15/98	1489	178	RTA00000629F.g.21.1	M00022081C:G11
1455	5/15/98	1489	179	RTA00000632F.e.12.1	M00022527A:E5
1456	5/15/98	1489	180	RTA00000632F.g.11.1	M00022557B:A8
1457	5/15/98	1489	181	RTA00000629F.f.22.1	M00022075D:F5
1458	5/15/98	1489	182	RTA00000630F.j.12.1	M00022239A:A10
1459	5/15/98	1489	183	RTA00000629F.h.16.1	M00022085C:C4
1460	5/15/98	1489	184	RTA00000633F.j.13.1	M00022745A:B4
1461	5/15/98	1489	185	RTA00000633F.h.10.1	M00022725C:B3
1462	5/15/98	1489	186	RTA00000632F.b.05.1	M00022493C:C6
1463	5/15/98	1489	187	RTA00000633F.h.18.1	M00022727B:C5
1464	5/15/98	1489	188	RTA00000633F.h.13.1	M00022726A:A6
1465	5/15/98	1489	189	RTA00000630F.i.09.1	M00022231A:F12
1466	5/15/98	1489	190	RTA00000593F.h.03.1	M00022176C:A8
1467	5/15/98	1489	191	RTA00000632F.c.18.1	M00022509D:F6
1468	5/15/98	1489	192	RTA00000593F.f.03.1	M00022081C:B11
1469	5/15/98	1489	193	RTA00000627F.n.21.1	M00021653A:G7
1470	5/15/98	1489	194	RTA00000631F.g.18.2	M00022407C:H11
1471	5/15/98	1489	195	RTA00000639F.c.14.1	M00022980B:E11
1472	5/15/98	1489	196	RTA00000633F.m.08.1	M00022824C:H11
1473	5/15/98	1489	197	RTA00000627F.m.10.1	M00021629D:D5
1474	5/15/98	1489	198	RTA00000632F.h.20.1	M00022578B:G5
1475	5/15/98	1489	199	RTA00000627F.o.09.1	M00021657B:C8
1476	5/15/98	1489	200	RTA00000632F.j.06.1	M00022594B:H12
1477	5/15/98	1489	201	RTA00000632F.d.07.1	M00022514A:D4
1478	5/15/98	1489	202	RTA00000629F.d.23.1	M00022064C:H7
1479	5/15/98	1489	203	RTA00000629F.m.05.1	M00022128A:D4

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SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
1480	5/15/98	1489	204	RTA00000639F.b.08.1	M00022963A:D11
1481	5/15/98	1489	205	RTA00000627F.l.21.1	M00021624A:D7
1482	5/15/98	1489	206	RTA00000628F.j.16.1	M00021927D:D12
1483	5/15/98	1489	207	RTA00000628F.b.08.1	M00021681C:B10
1484	5/15/98	1489	208	RTA00000630F.e.10.1	M00022199C:F3
1485	5/15/98	1489	209	RTA00000639F.b.21.1	M00022968A:F2
1486	5/15/98	1489	210	RTA00000631F.h.04.1	M00022411D:G9
1487	5/15/98	1489	211	RTA00000639F.c.15.1	M00022980C:A9
1488	5/15/98	1489	212	RTA00000631F.d.11.1	M00022381A:F5
1489	5/15/98	1489	213	RTA00000633F.e.18.1	M00022698C:E6
1490	5/15/98	1489	214	RTA00000615F.e.19.1	M00004875A:G9
1491	5/15/98	1489	215	RTA00000629F.n.11.2	M00022139A:C1
1492	5/15/98	1489	216	RTA00000631F.g.11.2	M00022404B:H5
1493	5/15/98	1489	217	RTA00000630F.o.18.1	M00022288C:D4
1494	5/15/98	1489	218	RTA00000633F.h.22.1	M00022730D:E10
1495	5/15/98	1489	219	RTA00000633F.e.24.1	M00022701B:B12
1496	5/15/98	1489	220	RTA00000633F.o.19.1	M00022900D:E8
1497	5/15/98	1489	221	RTA00000630F.e.04.1	M00022198A:C12
1498	5/15/98	1489	222	RTA00000627F.o.01.1	M00021654C:A2
1499	5/15/98	1489	223	RTA00000629F.k.21.1	M00022114C:B2
1500	5/15/98	1489	224	RTA00000631F.g.04.1	M00022399C:A10
1501	5/15/98	1489	225	RTA00000630F.m.03.1	M00022258C:F6
1502	5/15/98	1489	226	RTA00000629F.i.08.1	M00022090A:G8
1503	5/15/98	1489	227	RTA00000593F.d.02.2	M00021682B:D12
1504	5/15/98	1489	228	RTA00000631F.a.24.1	M00022365A:A1
1505	5/15/98	1489	229	RTA00000629F.p.06.2	M00022154A:C1
1506	5/15/98	1489	230	RTA00000633F.n.09.1	M00022856B:D7
1507	5/15/98	1489	231	RTA00000633F.f.14.1	M00022708A:C8
1508	5/15/98	1489	232	RTA00000629F.k.11.1	M00022106C:F4
1509	5/15/98	1489	233	RTA00000630F.b.02.1	M00022170D:H9
1510	5/15/98	1489	234	RTA00000633F.p.04.1	M00022902D:D3
1511	5/15/98	1489	235	RTA00000633F.n.08.1	M00022856A:D2
1512	5/15/98	1489	236	RTA00000628F.h.06.1	M00021897B:A6
1513	5/15/98	1489	237	RTA00000628F.d.05.1	M00021841C:D7
1514	5/15/98	1489	238	RTA00000627F.l.22.1	M00021624B:A3
1515	5/15/98	1489	239	RTA00000630F.f.19.1	M00022212C:C2
1516	5/15/98	1489	240	RTA00000630F.h.17.1	M00022220C:F8
1517	5/15/98	1489	241	RTA00000632F.i.15.1	M00022583B:E5
1518	5/15/98	1489	242	RTA00000633F.j.15.1	M00022745B:G2
1519	5/15/98	1489	243	RTA00000628F.k.05.1	M00021932C:G10

Priority Appln Information					
SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
1520	5/15/98	1489	244	RTA00000633F.d.04.1	M00022685A:F11
1521	5/15/98	1489	245	RTA00000639F.h.10.1	M00023094A:C4
1522	5/15/98	1489	246	RTA00000632F.f.11.1	M00022535D:C4
1523	5/15/98	1489	247	RTA00000631F.p.20.1	M00022480B:E7
1524	5/15/98	1489	248	RTA00000629F.o.17.2	M00022150A:H6
1525	5/15/98	1489	249	RTA00000592F.l.23.1	M00007986C:C5
1526	5/15/98	1489	250	RTA00000630F.d.10.1	M00022189A:A1
1527	5/15/98	1489	251	RTA00000632F.j.19.1	M00022600C:A6
1528	5/15/98	1489	252	RTA00000633F.n.10.1	M00022856B:F4
1529	5/15/98	1489	253	RTA00000628F.h.13.1	M00021905A:G5
1530	5/15/98	1489	254	RTA00000633F.k.05.1	M00022763A:E10
1531	5/15/98	1489	255	RTA00000633F.i.11.1	M00022735B:B1
1532	5/15/98	1489	256	RTA00000633F.o.20.1	M00022900D:G3
1533	5/15/98	1489	257	RTA00000628F.b.19.1	M00021690D:E5
1534	5/15/98	1489	258	RTA00000627F.p.14.1	M00021667D:E3
1535	5/15/98	1489	259	RTA00000628F.n.15.1	M00021983B:B3
1536	5/15/98	1489	260	RTA00000592F.p.22.1	M00008074D:C1
1537	5/15/98	1489	261	RTA00000628F.m.19.1	M00021977D:E2
1538	5/15/98	1489	262	RTA00000593F.a.05.1	M00008078C:C6
1539	5/15/98	1489	263	RTA00000639F.g.17.1	M00023036D:C4
1540	5/15/98	1489	264	RTA00000632F.j.15.1	M00022599A:C3
1541	5/15/98	1489	265	RTA00000592F.l.04.1	M00007971A:B4
1542	5/15/98	1489	266	RTA00000629F.c.07.1	M00022054D:C5
1543	5/15/98	1489	267	RTA00000592F.l.21.1	M00007985A:B9
1544	5/15/98	1489	268	RTA00000629F.h.15.1	M00022085C:A7
1545	5/15/98	1489	269	RTA00000633F.n.02.1	M00022835C:E6
1546	5/15/98	1489	270	RTA00000630F.n.24.1	M00022278D:F10
1547	5/15/98	1489	271	RTA00000592F.k.09.1	M00007953B:B3
1548	5/15/98	1489	272	RTA00000592F.l.10.1	M00007974B:C11
1549	5/15/98	1489	273	RTA00000628F.k.04.1	M00021932C:C5
1550	5/15/98	1489	274	RTA00000630F.h.24.1	M00022226C:B6
1551	5/15/98	1489	275	RTA00000629F.i.13.1	M00022091B:B7
1552	5/15/98	1489	276	RTA00000630F.b.01.1	M00022170D:H7
1553	5/15/98	1489	277	RTA00000628F.g.13.1	M00021886D:E4
1554	5/15/98	1489	278	RTA00000592F.m.13.1	M00007995D:E6
1555	5/15/98	1489	279	RTA00000633F.h.20.1	M00022728A:A9
1556	5/15/98	1489	280	RTA00000593F.d.08.2	M00021860B:G6
1557	5/15/98	1489	281	RTA00000629F.f.01.1	M00022071B:D5
1558	5/15/98	1489	282	RTA00000632F.i.11.1	M00022582C:E12
1559	5/15/98	1489	283	RTA00000632F.j.24.1	M00022604B:C11

Priority Appln Information					
SEQ ID NO:	Filed	Dkt No.	SEQ ID NO:	Sequence Name	Clone Name
1560	5/15/98	1489	284	RTA00000629F.f.03.1	M00022071C:C9
1561	5/15/98	1489	285	RTA00000593F.b.04.1	M00008094A:E10
1562	5/15/98	1489	286	RTA00000628F.i.12.1	M00021952B:F11
1563	5/15/98	1489	287	RTA00000632F.j.12.1	M00022597B:F11
1564	5/15/98	1489	288	RTA00000592F.k.23.1	M00007964B:D10
1565	5/15/98	1489	289	RTA00000632F.g.07.1	M00022556B:C4

Table 1B

SEQ ID NO:	Sample Name	Overlap	Clone Name
1566	803.F11.sp6:165002	VO	M00004236D:E07
1567	180.B11.sp6:135937	VO	M00001453B:F08
1568	1033.D01.sp6:188349	VO	M00001455A:E09
1569	1164.H10.sp6:186952	VO	M00001455A:E09
1570	80.E12.sp6:130267	VNO	
1571	121.C2.sp6:131906	VNO	
1572	1035.D01.sp6:188733	VO	M00003939A:A02
1573	1034.G03.sp6:188579	VNO	
1574	020.C1.sp6:128615	VO	M00003820C:A09
1575	019.B1.sp6:128411	VO	M00003820C:A09
1576	803.F4.sp6:164995	VO	M00004052C:B05
1577	1033.C06.sp6:188342	VO	M00001654D:F06
1578	1035.H07.sp6:188787	VO	M00004034C:F05
1579	396.C9.sp6:149508	VO	M00004034C:F05
1580	396.D9.sp6:149520	VO	M00004035B:F05
1581	1035.B08.sp6:188716	VO	M00004035B:F05
1582	396.H9.sp6:149568	VNO	
1583	1035.D09.sp6:188741	VO	M00004037C:D07
1584	1036.B05.sp6:188905	VO	M00004115C:H04
1585	404.G2.sp6:162929	VNO	
1586	1035.D07.sp6:188739	VO	M00004031D:G02
1587	1034.A05.sp6:188509	VO	M00003829A:B08
1588	395.B5.sp6:149300	VO	M00003829A:B08
1589	1034.F07.sp6:188571	VO	M00003852D:D03
1590	1035.E04.sp6:188748	VO	M00003982A:G03
1591	396.F3.sp6:149538	VO	M00003982A:G03
1592	396.H3.sp6:149562	VO	M00003982B:C10
1593	1035.F04.sp6:188760	VNO	
1594	396.D4.sp6:149515	VO	M00003983A:D02
1595	1035.G04.sp6:188772	VO	M00003983A:D02
1596	396.D5.sp6:149516	VO	M00003985A:C01
1597	1035.B05.sp6:188713	VO	M00003985A:C01
1598	1035.C06.sp6:188726	VO	M00004028C:D01
1599	396.A7.sp6:149482	VNO	
1600	1035.E06.sp6:188750	VO	M00004029C:B03
1601	801.E1.sp6:164692	VO	M00001344D:G11
1602	801.F1.sp6:164704	VO	M00001345A:A12
1603	801.A2.sp6:164645	VNO	
1604	801.B2.sp6:164657	VNO	
1605	801.C2.sp6:164669	VO	M00001347A:G06
1606	801.D2.sp6:164681	VO	M00001347B:H01
1607	801.E2.sp6:164693	VNO	

SEQ ID NO:	Sample Name	Overlap	Clone Name
1608	801.F2.sp6:164705	VNO	
1609	801.A3.sp6:164646	VO	M00001355B:A01
1610	801.B3.sp6:164658	VO	M00001358D:D09
1611	801.C3.sp6:164670	VO	M00001359A:B07
1612	801.D3.sp6:164682	VO	M00001362A:C10
1613	801.E3.sp6:164694	VO	M00001362B:A09
1614	801.G3.sp6:164718	VO	M00001365D:D12
1615	801.H3.sp6:164730	VO	M00001365D:H09
1616	801.A4.sp6:164647	VNO	
1617	801.B4.sp6:164659	VO	M00001370A:G09
1618	801.C4.sp6:164671	VO	M00001370B:B04
1619	801.D4.sp6:164683	VO	M00001370B:B12
1620	801.E4.sp6:164695	VNO	
1621	801.G4.sp6:164719	VO	M00001374D:D09
1622	801.D5.sp6:164684	VO	M00001377C:B08
1623	801.F5.sp6:164708	VNO	
1624	801.G5.sp6:164720	VNO	
1625	801.H5.sp6:164732	VNO	
1626	801.A6.sp6:164649	VO	M00001384A:C09
1627	801.B6.sp6:164661	VO	M00001387A:A04
1628	801.D6.sp6:164685	VO	M00001389B:B06
1629	801.E6.sp6:164697	VO	M00001390A:C06
1630	801.F6.sp6:164709	VO	M00001390A:H01
1631	801.D7.sp6:164686	VNO	
1632	801.E7.sp6:164698	VO	M00001399C:E10
1633	1033.A01.sp6:188313	VO	M00001399D:F09
1634	801.G7.sp6:164722	VNO	
1635	801.H7.sp6:164734	VO	M00001401D:D04
1636	801.A8.sp6:164651	VNO	
1637	801.B8.sp6:164663	VO	M00001402D:C07
1638	801.C8.sp6:164675	VO	M00001402D:H03
1639	801.D8.sp6:164687	VO	M00001403B:A01
1640	801.E8.sp6:164699	VO	M00001405D:F05
1641	801.G8.sp6:164723	VO	M00001406C:A11
1642	801.B9.sp6:164664	VO	M00001407B:A08
1643	801.C9.sp6:164676	VO	M00001407D:H11
1644	801.D9.sp6:164688	VNO	
1645	801.E9.sp6:164700	VNO	
1646	801.F9.sp6:164712	VO	M00001411A:D01
1647	801.G9.sp6:164724	VNO	
1648	801.H9.sp6:164736	VO	M00001411C:G02
1649	801.B10.sp6:164665	VO	M00001412A:A11
1650	801.C10.sp6:164677	VNO	

SEQ ID NO:	Sample Name	Overlap	Clone Name
1651	801.D10.sp6:164689	VNO	
1652	801.E10.sp6:164701	VO	M00001415D:E12
1653	801.F10.sp6:164713	VNO	
1654	801.G10.sp6:164725	VO	M00001417B:E01
1655	020.A6.sp6:128596	VO	M00001417B:E01
1656	801.H10.sp6:164737	VNO	
1657	801.A11.sp6:164654	VO	M00001417C:E02
1658	801.B11.sp6:164666	VNO	
1659	801.C11.sp6:164678	VO	M00001421A:H07
1660	801.F11.sp6:164714	VO	M00001423C:D06
1661	801.G11.sp6:164726	VO	M00001424A:H09
1662	801.H11.sp6:164738	VO	M00001425C:E10
1663	801.B12.sp6:164667	VO	M00001426A:F09
1664	801.C12.sp6:164679	VO	M00001426D:D09
1665	801.E12.sp6:164703	VO	M00001431A:C10
1666	801.F12.sp6:164715	VO	M00001431A:E05
1667	801.G12.sp6:164727	VO	M00001432A:F12
1668	801.H12.sp6:164739	VO	M00001432B:H08
1669	802.A1.sp6:164740	VO	M00001432C:G01
1670	802.B1.sp6:164752	VO	M00001433A:C07
1671	802.C1.sp6:164764	VNO	
1672	802.D1.sp6:164776	VO	M00001434A:A01
1673	802.E1.sp6:164788	VNO	
1674	802.F1.sp6:164800	VO	M00001435A:F03
1675	802.G1.sp6:164812	VO	M00001435A:G01
1676	802.H1.sp6:164824	VO	M00001435B:G10
1677	802.A2.sp6:164741	VO	M00001435C:G08
1678	802.B2.sp6:164753	VNO	
1679	802.C2.sp6:164765	VO	M00001435D:A06
1680	802.D2.sp6:164777	VO	M00001436D:C10
1681	802.E2.sp6:164789	VO	M00001437B:B05
1682	802.G2.sp6:164813	VNO	
1683	802.H2.sp6:164825	VO	M00001438C:H05
1684	802.A3.sp6:164742	VNO	
1685	802.B3.sp6:164754	VO	M00001439B:F10
1686	802.C3.sp6:164766	VO	M00001439C:A01
1687	802.D3.sp6:164778	VO	M00001439C:G06
1688	802.E3.sp6:164790	VO	M00001441D:H05
1689	802.F3.sp6:164802	VO	M00001442A:D08
1690	802.G3.sp6:164814	VNO	
1691	802.H3.sp6:164826	VO	M00001443D:A01
1692	802.A4.sp6:164743	VNO	
1693	802.B4.sp6:164755	VO	M00001444A:A09

SEQ ID NO:	Sample Name	Overlap	Clone Name
1694	802.C4.sp6:164767	VNO	
1695	802.D4.sp6:164779	VNO	
1696	802.E4.sp6:164791	VO	M00001446D:B10
1697	1033.B01.sp6:188325	VO	M00001448A:D05
1698	802.F4.sp6:164803	VO	M00001451B:H11
1699	802.G4.sp6:164815	VNO	
1700	802.H4.sp6:164827	VO	M00001452B:H06
1701	802.A5.sp6:164744	VO	M00001452D:E05
1702	802.C5.sp6:164768	VO	M00001453D:F09
1703	1033.C01.sp6:188337	VO	M00001455A:C03
1704	1033.E01.sp6:188361	VO	M00001456C:F02
1705	1033.F01.sp6:188373	VO	M00001458B:F06
1706	802.D5.sp6:164780	VO	M00001463C:A01
1707	802.E5.sp6:164792	VO	M00001466C:F02
1708	802.F5.sp6:164804	VNO	
1709	802.G5.sp6:164816	VO	M00001471C:G03
1710	1033.G01.sp6:188385	VO	M00001478A:B06
1711	1033.H01.sp6:188397	VO	M00001487D:G03
1712	802.H5.sp6:164828	VO	M00001488B:G12
1713	802.B6.sp6:164757	VO	M00001489B:F08
1714	802.C6.sp6:164769	VO	M00001489D:C08
1715	802.D6.sp6:164781	VO	M00001490B:G04
1716	802.E6.sp6:164793	VO	M00001491C:C01
1717	802.F6.sp6:164805	VNO	
1718	802.G6.sp6:164817	VO	M00001496A:B03
1719	802.H6.sp6:164829	VNO	
1720	802.A7.sp6:164746	VO	M00001496D:D02
1721	802.B7.sp6:164758	VNO	
1722	802.D7.sp6:164782	VNO	
1723	802.E7.sp6:164794	VO	M00001500A:D09
1724	802.F7.sp6:164806	VNO	
1725	802.G7.sp6:164818	VNO	
1726	802.H7.sp6:164830	VO	M00001504D:D09
1727	802.A8.sp6:164747	VO	M00001505A:E09
1728	802.B8.sp6:164759	VO	M00001506A:F01
1729	802.D8.sp6:164783	VO	M00001517D:C03
1730	802.E8.sp6:164795	VO	M00001518D:A10
1731	1033.A02.sp6:188314	VO	M00001530A:D11
1732	802.F8.sp6:164807	VO	M00001536B:B11
1733	802.G8.sp6:164819	VO	M00001537B:C12
1734	1033.B02.sp6:188326	VO	M00001539B:B01
1735	802.H8.sp6:164831	VO	M00001542C:D10
1736	802.A9.sp6:164748	VO	M00001542C:F06

SEQ ID NO:	Sample Name	Overlap	Clone Name
1737	802.B9.sp6:164760	VNO	
1738	802.C9.sp6:164772	VO	M00001543A:E04
1739	802.E9.sp6:164796	VO	M00001546B:H01
1740	802.G9.sp6:164820	VO	M00001551D:C12
1741	802.H9.sp6:164832	VO	M00001552B:D01
1742	802.A10.sp6:164749	VO	M00001553D:B06
1743	802.B10.sp6:164761	VNO	
1744	802.C10.sp6:164773	VO	M00001556D:A11
1745	802.D10.sp6:164785	VNO	
1746	802.E10.sp6:164797	VO	M00001557C:B08
1747	802.F10.sp6:164809	VO	M00001558B:A12
1748	802.G10.sp6:164821	VO	M00001560C:C01
1749	802.H10.sp6:164833	VO	M00001561B:C10
1750	1033.C02.sp6:188338	VO	M00001563C:D06
1751	1033.D02.sp6:188350	VO	M00001564C:D04
1752	1033.E02.sp6:188362	VO	M00001565A:A02
1753	1033.F02.sp6:188374	VO	M00001569B:F04
1754	1033.G02.sp6:188386	VO	M00001572C:E07
1755	1033.H02.sp6:188398	VO	M00001575A:H02
1756	1033.A03.sp6:188315	VO	M00001582D:B10
1757	1033.B03.sp6:188327	VO	M00001584C:A03
1758	1033.E04.sp6:188364	VO	M00001618B:F02
1759	1033.B08.sp6:188332	VO	M00001687C:A06
1760	1033.H12.sp6:188408	VNO	
1761	1034.C05.sp6:188533	VO	M00003830A:A10
1762	1034.F05.sp6:188569	VO	M00003833D:D06
1763	1034.D06.sp6:188546	VO	M00003839D:G06
1764	1034.G06.sp6:188582	VO	M00003843A:B01
1765	1034.H07.sp6:188595	VO	M00003858A:D01
1766	1034.A08.sp6:188512	VO	M00003859C:B09
1767	1034.E08.sp6:188560	VO	M00003868D:F07
1768	1034.C10.sp6:188538	VO	M00003895D:A03
1769	1034.B11.sp6:188527	VO	M00003906C:H12
1770	1034.G11.sp6:188587	VNO	
1771	1034.D12.sp6:188552	VO	M00003918C:E07
1772	1035.H01.sp6:188781	VNO	
1773	1035.G02.sp6:188770	VNO	
1774	325.D3.sp6:145862	VNO	
1775	1035.A05.sp6:188701	VNO	
1776	1035.F05.sp6:188761	VNO	
1777	803.H1.sp6:165016	VNO	
1778	803.F2.sp6:164993	VNO	
1779	1035.G06.sp6:188774	VO	M00004030A:G12

SEQ ID NO:	Sample Name	Overlap	Clone Name
1780	1035.A07.sp6:188703	VO	M00004030B:C05
1781	1035.B07.sp6:188715	VNO	
1782	1035.D08.sp6:188740	VO	M00004035D:C05
1783	1035.G08.sp6:188776	VO	M00004036C:D01
1784	1035.A09.sp6:188705	VNO	
1785	1035.B09.sp6:188717	VO	M00004037B:B05
1786	1035.G09.sp6:188777	VO	M00004038C:D12
1787	803.C4.sp6:164959	VO	M00004051C:D02
1788	803.A5.sp6:164936	VNO	
1789	774.E2.sp6:162484	VO	M00004054D:D02
1790	803.D5.sp6:164972	VNO	
1791	803.C6.sp6:164961	VNO	
1792	803.D6.sp6:164973	VNO	
1793	1035.A12.sp6:188708	VNO	
1794	1035.C12.sp6:188732	VO	M00004076D:B03
1795	774.E4.sp6:162500	VO	M00004081B:C11
1796	1035.G12.sp6:188780	VO	M00004081B:C11
1797	1036.H01.sp6:188973	VO	M00004089A:F02
1798	1036.D02.sp6:188926	VO	M00004091B:G04
1799	1036.G03.sp6:188963	VO	M00004103B:C07
1800	1036.F04.sp6:188952	VNO	
1801	1036.H04.sp6:188976	VO	M00004115A:F01
1802	1036.A05.sp6:188893	VO	M00004115A:G09
1803	1036.B06.sp6:188906	VNO	
1804	803.A7.sp6:164938	VNO	
1805	803.E8.sp6:164987	VNO	
1806	803.F8.sp6:164999	VO	M00004159D:C04
1807	803.A9.sp6:164940	VO	M00004160A:D07
1808	1036.D06.sp6:188930	VO	M00004178B:F06
1809	1036.F06.sp6:188954	VNO	
1810	1036.H06.sp6:188978	VO	M00004184B:F11
1811	1036.D09.sp6:188933	VO	M00004202B:A02
1812	1036.F09.sp6:188957	VO	M00004202B:G09
1813	803.H10.sp6:165025	VNO	
1814	803.H11.sp6:165026	VNO	
1815	803.C12.sp6:164967	VNO	
1816	804.D1.sp6:165160	VNO	
1817	983.D01.sp6:186199	VO	M00004247B:C11
1818	1036.D11.sp6:188935	VO	M00004249C:E12
1819	804.B3.sp6:165138	VNO	
1820	983.B03.sp6:186181	VO	M00004277D:C08
1821	804.F5.sp6:165188	VNO	
1822	983.F05.sp6:186221	VO	M00004337D:G08

SEQ ID NO:	Sample Name	Overlap	Clone Name
1823	983.G05.sp6:186230	VO	M00004345A:H06
1824	804.G5.sp6:165200	VNO	
1825	983.A06.sp6:186174	VO	M00004350B:F06
1826	804.A6.sp6:165129	VNO	
1827	774.D12.sp6:162563	VO	M00004350B:F06
1828	804.F7.sp6:165190	VNO	
1829	983.F07.sp6:186223	VO	M00004446A:G01
1830	992.E01.sp6:186367	VO	M00005332A:H10
1831	992.G02.sp6:186392	VNO	
1832	992.A04.sp6:186322	VO	M00005378C:A10
1833	992.D04.sp6:186358	VO	M00005384A:A01
1834	992.B05.sp6:186335	VO	M00005390B:G10
1835	992.H05.sp6:186407	VO	M00005399A:D01
1836	992.A06.sp6:186324	VNO	
1837	992.B06.sp6:186336	VO	M00005399D:B02
1838	020.G4.sp6:128666	VO	M00005404C:F02
1839	020.G8.sp6:128670	VO	M00005411A:C07
1840	992.H06.sp6:186408	VNO	
1841	953.F01.sp6:185185	VO	M00005411D:A03
1842	992.A07.sp6:186325	VO	M00005411D:A03
1843	992.D08.sp6:186362	VO	M00005446A:G01
1844	992.B09.sp6:186339	VO	M00005450B:B01
1845	953.A07.sp6:185131	VO	M00005450B:B01
1846	953.E07.sp6:185179	VO	M00005452C:A02
1847	992.E09.sp6:186375	VO	M00005452C:A02
1848	992.G09.sp6:186399	VO	M00005455A:D01
1849	992.H09.sp6:186411	VO	M00005455A:G03
1850	992.D11.sp6:186365	VNO	
1851	953.H10.sp6:185218	VO	M00005477C:D08
1852	992.F11.sp6:186389	VO	M00005477C:D08
1853	953.D11.sp6:185171	VO	M00005480A:H12
1854	992.H11.sp6:186413	VO	M00005480C:B12
1855	992.A12.sp6:186330	VO	M00005481C:A05
1856	953.E11.sp6:185183	VO	M00005481C:A05
1857	953.C12.sp6:185160	VO	M00005485C:A03
1858	992.F12.sp6:186390	VO	M00005485C:A03
1859	953.E12.sp6:185184	VO	M00005486C:B03
1860	993.C03.sp6:186537	VO	M00005510B:D06
1861	993.D03.sp6:186549	VO	M00005513A:D08
1862	993.E03.sp6:186561	VO	M00005524C:B01
1863	993.G03.sp6:186585	VO	M00005528D:H06
1864	993.A04.sp6:186514	VO	M00005530B:E04
1865	993.B05.sp6:186527	VO	M00005616B:D05

SEQ ID NO:	Sample Name	Overlap	Clone Name
1866	993.C06.sp6:186540	VNO	
1867	993.B08.sp6:186530	VO	M00005704A:B11
1868	993.C08.sp6:186542	VO	M00005708D:B03
1869	993.D09.sp6:186555	VO	M00005765C:C04
1870	993.E09.sp6:186567	VO	M00005772A:F03
1871	993.F10.sp6:186580	VO	M00006577B:H12
1872	993.C11.sp6:186545	VO	M00006587A:H08
1873	993.D11.sp6:186557	VNO	
1874	993.G11.sp6:186593	VNO	
1875	993.H12.sp6:186606	VO	M00006615B:F05
1876	626.B2.sp6:157417	VO	M00007953B:B03
1877	627.E6.sp6:157649	VO	M00007985A:B09
1878	633.C4.sp6:156098	VO	M00008061A:F02
1879	636.F10.sp6:158241	VO	M00022070B:C10
1880	641.G8.GZ42:158428	VO	M00022109B:A11
1881	642.B7.sp6:156281	VO	M00022176C:A08
1882	1010.F02.sp6:189986	VNO	
1883	1010.A09.sp6:189945	VO	M00022828C:E04
1884	1033.C03.sp6:188339	VO	M00001586A:F09
1885	1033.D03.sp6:188351	VO	M00001588D:H08
1886	1033.E03.sp6:188363	VO	M00001589C:D12
1887	1033.F03.sp6:188375	VO	M00001589D:G10
1888	1033.G03.sp6:188387	VO	M00001590D:A07
1889	802.A11.sp6:164750	VNO	
1890	802.B11.sp6:164762	VO	M00001597C:B03
1891	1033.H03.sp6:188399	VO	M00001598C:D10
1892	1033.A04.sp6:188316	VO	M00001599A:H09
1893	1033.B04.sp6:188328	VNO	
1894	1033.C04.sp6:188340	VO	M00001610B:A01
1895	1033.D04.sp6:188352	VO	M00001614C:G04
1896	1033.F04.sp6:188376	VO	M00001618C:E06
1897	1033.G04.sp6:188388	VO	M00001621C:A04
1898	802.E11.sp6:164798	VNO	
1899	802.G11.sp6:164822	VO	M00001623B:B01
1900	802.H11.sp6:164834	VO	M00001623D:A09
1901	1033.H04.sp6:188400	VO	M00001626B:H05
1902	1033.A05.sp6:188317	VNO	
1903	1033.B05.sp6:188329	VO	M00001634C:E12
1904	1033.C05.sp6:188341	VO	M00001639A:A04
1905	1033.D05.sp6:188353	VNO	
1906	1033.E05.sp6:188365	VO	M00001640A:F04
1907	1033.F05.sp6:188377	VO	M00001641B:G05
1908	802.C12.sp6:164775	VO	M00001644D:F09

SEQ ID NO:	Sample Name	Overlap	Clone Name
1909	1033.G05.sp6:188389	VO	M00001647C:C07
1910	1033.H05.sp6:188401	VO	M00001648C:F06
1911	1033.A06.sp6:188318	VNO	
1912	1033.B06.sp6:188330	VO	M00001649D:H05
1913	1033.D06.sp6:188354	VO	M00001655A:F07
1914	1033.E06.sp6:188366	VO	M00001656D:F11
1915	1033.F06.sp6:188378	VNO	
1916	1033.G06.sp6:188390	VNO	
1917	1033.H06.sp6:188402	VO	M00001660A:F10
1918	1033.A07.sp6:188319	VO	M00001663C:C03
1919	1033.B07.sp6:188331	VO	M00001669A:H11
1920	1033.C07.sp6:188343	VO	M00001669B:A03
1921	1033.D07.sp6:188355	VO	M00001675C:B03
1922	1033.E07.sp6:188367	VO	M00001677A:A06
1923	1033.F07.sp6:188379	VO	M00001677A:A12
1924	1033.G07.sp6:188391	VO	M00001678D:A12
1925	1033.H07.sp6:188403	VNO	
1926	1033.A08.sp6:188320	VNO	
1927	1033.C08.sp6:188344	VO	M00001693D:F07
1928	1033.D08.sp6:188356	VO	M00003741A:E01
1929	1033.E08.sp6:188368	VO	M00003745C:E03
1930	1033.F08.sp6:188380	VO	M00003746A:E01
1931	1033.G08.sp6:188392	VNO	
1932	1033.H08.sp6:188404	VO	M00003748B:B06
1933	1033.A09.sp6:188321	VO	M00003749B:C08
1934	1033.B09.sp6:188333	VO	M00003749D:G07
1935	1033.C09.sp6:188345	VO	M00003752A:B06
1936	1033.D09.sp6:188357	VO	M00003752D:D09
1937	1033.E09.sp6:188369	VO	M00003753C:B01
1938	1033.F09.sp6:188381	VO	M00003754C:F01
1939	1033.G09.sp6:188393	VO	M00003756C:C08
1940	1033.H09.sp6:188405	VO	M00003759A:E10
1941	1033.A10.sp6:188322	VO	M00003762A:D11
1942	1033.B10.sp6:188334	VO	M00003763B:D03
1943	1033.C10.sp6:188346	VO	M00003763D:F06
1944	1033.D10.sp6:188358	VO	M00003765D:E02
1945	1033.E10.sp6:188370	VO	M00003766A:G09
1946	1033.F10.sp6:188382	VO	M00003766B:G04
1947	1033.G10.sp6:188394	VO	M00003767C:F04
1948	1033.H10.sp6:188406	VO	M00003769B:A04
1949	1033.A11.sp6:188323	VO	M00003769D:G12
1950	1033.B11.sp6:188335	VO	M00003770D:C07
1951	1033.C11.sp6:188347	VO	M00003771A:G09

SEQ ID NO:	Sample Name	Overlap	Clone Name
1952	1033.D11.sp6:188359	VO	M00003771D:A10
1953	1033.E11.sp6:188371	VO	M00003773A:C09
1954	1033.F11.sp6:188383	VO	M00003773B:E09
1955	1033.G11.sp6:188395	VO	M00003773B:G08
1956	1033.H11.sp6:188407	VO	M00003773C:G06
1957	1033.A12.sp6:188324	VO	M00003773D:C02
1958	802.E12.sp6:164799	VNO	
1959	802.F12.sp6:164811	VNO	
1960	802.G12.sp6:164823	VO	M00003784C:B09
1961	802.H12.sp6:164835	VO	M00003785D:E01
1962	803.A1.sp6:164932	VNO	
1963	803.B1.sp6:164944	VNO	
1964	803.C1.sp6:164956	VNO	
1965	1033.B12.sp6:188336	VO	M00003789C:E03
1966	1033.C12.sp6:188348	VO	M00003790B:F12
1967	1033.D12.sp6:188360	VO	M00003793C:D11
1968	1033.F12.sp6:188384	VO	M00003796B:C07
1969	1033.G12.sp6:188396	VO	M00003796C:H03
1970	1034.A01.sp6:188505	VO	M00003797D:H06
1971	1034.B01.sp6:188517	VNO	
1972	1034.C01.sp6:188529	VO	M00003801D:F05
1973	1034.D01.sp6:188541	VO	M00003805A:G05
1974	1034.E01.sp6:188553	VO	M00003808C:D09
1975	1034.F01.sp6:188565	VO	M00003809A:A12
1976	1034.G01.sp6:188577	VO	M00003809A:H12
1977	1034.H01.sp6:188589	VO	M00003809B:D08
1978	1034.A02.sp6:188506	VO	M00003811B:E07
1979	1034.B02.sp6:188518	VO	M00003812B:F08
1980	1034.C02.sp6:188530	VO	M00003812D:E08
1981	1034.D02.sp6:188542	VO	M00003813D:A06
1982	1034.E02.sp6:188554	VO	M00003815C:A06
1983	1034.F02.sp6:188566	VNO	
1984	1034.G02.sp6:188578	VNO	
1985	1034.H02.sp6:188590	VO	M00003818A:F09
1986	1034.A03.sp6:188507	VO	M00003818B:A01
1987	1034.B03.sp6:188519	VO	M00003818C:E09
1988	1034.C03.sp6:188531	VNO	
1989	1034.D03.sp6:188543	VO	M00003819C:E04
1990	1034.E03.sp6:188555	VO	M00003819D:G09
1991	1034.F03.sp6:188567	VO	M00003820A:H04
1992	1034.H03.sp6:188591	VO	M00003820D:E02
1993	1034.A04.sp6:188508	VO	M00003821C:E04
1994	1034.B04.sp6:188520	VO	M00003822A:G05

SEQ ID NO:	Sample Name	Overlap	Clone Name
1995	803.E12.sp6:164991	VNO	
1996	020.E2.sp6:128640	VO	M00004242C:C01
1997	019.F9.sp6:128467	VO	M00006720C:C11
1998	019.G10.sp6:128480	VO	M00007019A:B01
1999	1034.C04.sp6:188532	VNO	
2000	1034.D04.sp6:188544	VO	M00003825B:A05
2001	1034.E04.sp6:188556	VNO	
2002	1034.F04.sp6:188568	VO	M00003825C:B02
2003	1034.G04.sp6:188580	VO	M00003825C:B12
2004	1034.B05.sp6:188521	VO	M00003829A:E02
2005	1034.D05.sp6:188545	VO	M00003832B:G03
2006	1034.E05.sp6:188557	VO	M00003833B:A11
2007	1034.G05.sp6:188581	VO	M00003834A:A03
2008	1034.A06.sp6:188510	VO	M00003835D:H05
2009	1034.B06.sp6:188522	VO	M00003837C:F05
2010	1034.C06.sp6:188534	VNO	
2011	1034.E06.sp6:188558	VO	M00003841A:E09
2012	1034.F06.sp6:188570	VO	M00003841B:D05
2013	1034.H06.sp6:188594	VO	M00003844C:D04
2014	1034.A07.sp6:188511	VO	M00003844C:H05
2015	1034.B07.sp6:188523	VO	M00003845A:A05
2016	1034.C07.sp6:188535	VO	M00003846B:H02
2017	1034.D07.sp6:188547	VO	M00003846D:C12
2018	1034.E07.sp6:188559	VO	M00003850B:D11
2019	1034.G07.sp6:188583	VNO	
2020	1034.B08.sp6:188524	VO	M00003860B:A07
2021	803.D1.sp6:164968	VO	M00003862C:H10
2022	803.E1.sp6:164980	VO	M00003864B:A04
2023	803.F1.sp6:164992	VNO	
2024	803.G1.sp6:165004	VO	M00003864D:G05
2025	1034.C08.sp6:188536	VNO	
2026	1034.D08.sp6:188548	VO	M00003868D:F02
2027	1034.F08.sp6:188572	VO	M00003871A:E09
2028	1034.G08.sp6:188584	VNO	
2029	1034.H08.sp6:188596	VNO	
2030	1034.A09.sp6:188513	VNO	
2031	1034.B09.sp6:188525	VO	M00003884D:A12
2032	1034.C09.sp6:188537	VNO	
2033	1034.D09.sp6:188549	VO	M00003887B:C03
2034	1034.E09.sp6:188561	VO	M00003888B:A10
2035	1034.F09.sp6:188573	VO	M00003888C:E01
2036	1034.G09.sp6:188585	VO	M00003890B:H07
2037	1034.H09.sp6:188597	VO	M00003890D:C03

SEQ ID NO:	Sample Name	Overlap	Clone Name
2038	I034.A10.sp6:188514	VO	M00003892D:D04
2039	I034.B10.sp6:188526	VO	M00003893C:D12
2040	I034.D10.sp6:188550	VO	M00003896B:F08
2041	I034.E10.sp6:188562	VO	M00003896D:B01
2042	I034.F10.sp6:188574	VNO	
2043	I034.G10.sp6:188586	VO	M00003903C:H03
2044	I034.H10.sp6:188598	VO	M00003905C:B01
2045	I034.A11.sp6:188515	VO	M00003905C:E10
2046	I034.C11.sp6:188539	VO	M00003909D:G01
2047	I034.D11.sp6:188551	VO	M00003911C:G05
2048	I034.E11.sp6:188563	VO	M00003912B:G11
2049	I034.F11.sp6:188575	VO	M00003912C:C11
2050	I034.H11.sp6:188599	VO	M00003914C:E03
2051	I034.A12.sp6:188516	VO	M00003915A:D09
2052	I034.B12.sp6:188528	VNO	
2053	I034.C12.sp6:188540	VO	M00003915C:G01
2054	I034.E12.sp6:188564	VO	M00003920B:A10
2055	I034.F12.sp6:188576	VNO	
2056	I034.G12.sp6:188588	VO	M00003921D:C06
2057	I034.H12.sp6:188600	VO	M00003923A:H07
2058	I035.A01.sp6:188697	VNO	
2059	I035.B01.sp6:188709	VNO	
2060	I035.C01.sp6:188721	VO	M00003936C:F10
2061	I035.E01.sp6:188745	VO	M00003948B:B03
2062	I035.F01.sp6:188757	VO	M00003949B:A08
2063	I035.G01.sp6:188769	VO	M00003949B:D05
2064	I035.A02.sp6:188698	VO	M00003961B:A12
2065	I035.B02.sp6:188710	VO	M00003961C:G02
2066	I035.C02.sp6:188722	VO	M00003962B:B09
2067	I035.D02.sp6:188734	VO	M00003963B:D12
2068	I035.E02.sp6:188746	VO	M00003965A:F07
2069	I035.F02.sp6:188758	VNO	
2070	I035.H02.sp6:188782	VNO	
2071	I035.A03.sp6:188699	VO	M00003973A:C05
2072	I035.B03.sp6:188711	VO	M00003973B:H06
2073	I035.C03.sp6:188723	VO	M00003974B:A04
2074	I035.D03.sp6:188735	VNO	
2075	I035.E03.sp6:188747	VNO	
2076	I035.F03.sp6:188759	VNO	
2077	I035.G03.sp6:188771	VO	M00003976D:D12
2078	I035.H03.sp6:188783	VO	M00003977C:A08
2079	I035.A04.sp6:188700	VO	M00003980B:F12
2080	I035.B04.sp6:188712	VO	M00003980C:A11

SEQ ID NO:	Sample Name	Overlap	Clone Name
2081	1035.C04.sp6:188724	VO	M00003980C:G10
2082	1035.D04.sp6:188736	VO	M00003981C:E04
2083	1035.H04.sp6:188784	VO	M00003983C:E07
2084	1035.C05.sp6:188725	VNO	
2085	1035.D05.sp6:188737	VO	M00003987D:F06
2086	1035.E05.sp6:188749	VO	M00003988B:C10
2087	1035.G05.sp6:188773	VNO	
2088	803.A2.sp6:164933	VO	M00003992C:G01
2089	803.B2.sp6:164945	VO	M00003992D:G01
2090	803.C2.sp6:164957	VNO	
2091	803.D2.sp6:164969	VO	M00003994C:C11
2092	803.E2.sp6:164981	VO	M00003996D:C04
2093	803.G2.sp6:165005	VO	M00003997D:D07
2094	803.H2.sp6:165017	VNO	
2095	803.A3.sp6:164934	VO	M00003998A:D03
2096	803.B3.sp6:164946	VO	M00003998A:G12
2097	803.C3.sp6:164958	VO	M00003998C:H10
2098	803.D3.sp6:164970	VO	M00003999C:C12
2099	1035.H05.sp6:188785	VO	M00004027A:B10
2100	1035.A06.sp6:188702	VO	M00004027C:H01
2101	1035.B06.sp6:188714	VO	M00004028C:B04
2102	1035.D06.sp6:188738	VO	M00004029A:E01
2103	1035.F06.sp6:188762	VNO	
2104	1035.H06.sp6:188786	VO	M00004030B:B02
2105	1035.C07.sp6:188727	VO	M00004031A:G05
2106	1035.E07.sp6:188751	VO	M00004032D:D03
2107	1035.F07.sp6:188763	VNO	
2108	1035.G07.sp6:188775	VNO	
2109	1035.A08.sp6:188704	VNO	
2110	1035.C08.sp6:188728	VO	M00004035B:H11
2111	1035.E08.sp6:188752	VO	M00004035D:E04
2112	1035.F08.sp6:188764	VO	M00004036B:F09
2113	1035.H08.sp6:188788	VO	M00004037A:A07
2114	1035.C09.sp6:188729	VO	M00004037C:C05
2115	1035.E09.sp6:188753	VO	M00004037D:B05
2116	1035.F09.sp6:188765	VO	M00004038C:C05
2117	1035.H09.sp6:188789	VO	M00004039D:D03
2118	1035.A10.sp6:188706	VO	M00004040B:B09
2119	1035.B10.sp6:188718	VO	M00004040C:G12
2120	1035.C10.sp6:188730	VO	M00004040D:B05
2121	1035.D10.sp6:188742	VO	M00004041B:F01
2122	1035.E10.sp6:188754	VO	M00004041D:E06
2123	1035.F10.sp6:188766	VO	M00004043D:C10

SEQ ID NO:	Sample Name	Overlap	Clone Name
2124	1035.G10.sp6:188778	VNO	
2125	803.E3.sp6:164982	VO	M00004045A:B12
2126	803.F3.sp6:164994	VO	M00004046A:F04
2127	803.G3.sp6:165006	VNO	
2128	803.H3.sp6:165018	VNO	
2129	803.A4.sp6:164935	VNO	
2130	803.B4.sp6:164947	VNO	
2131	803.D4.sp6:164971	VNO	
2132	803.E4.sp6:164983	VO	M00004052C:A08
2133	803.G4.sp6:165007	VO	M00004054B:G02
2134	803.H4.sp6:165019	VO	M00004054D:A03
2135	803.B5.sp6:164948	VO	M00004055B:F06
2136	803.C5.sp6:164960	VO	M00004058B:C11
2137	803.E5.sp6:164984	VO	M00004058C:E08
2138	803.F5.sp6:164996	VO	M00004059A:G09
2139	803.G5.sp6:165008	VO	M00004060C:A02
2140	803.H5.sp6:165020	VNO	
2141	803.A6.sp6:164937	VO	M00004060D:A07
2142	803.B6.sp6:164949	VO	M00004063C:B11
2143	803.E6.sp6:164985	VNO	
2144	1035.H10.sp6:188790	VO	M00004068A:F02
2145	1035.A11.sp6:188707	VO	M00004068B:D04
2146	1035.B11.sp6:188719	VNO	
2147	1035.C11.sp6:188731	VO	M00004069B:B01
2148	1035.D11.sp6:188743	VO	M00004069D:G02
2149	1035.E11.sp6:188755	VO	M00004071A:H03
2150	1035.F11.sp6:188767	VO	M00004073D:B11
2151	1035.G11.sp6:188779	VNO	
2152	1035.H11.sp6:188791	VNO	
2153	1035.B12.sp6:188720	VNO	
2154	1035.D12.sp6:188744	VNO	
2155	1035.E12.sp6:188756	VNO	
2156	1035.F12.sp6:188768	VO	M00004078C:A08
2157	1035.H12.sp6:188792	VO	M00004081C:A01
2158	1036.A01.sp6:188889	VO	M00004084A:D11
2159	1036.B01.sp6:188901	VO	M00004084C:G04
2160	1036.C01.sp6:188913	VO	M00004085B:G06
2161	1036.D01.sp6:188925	VO	M00004086A:A03
2162	1036.E01.sp6:188937	VO	M00004086D:A07
2163	1036.F01.sp6:188949	VO	M00004087C:F05
2164	1036.G01.sp6:188961	VO	M00004088A:F12
2165	1036.A02.sp6:188890	VO	M00004089A:G03
2166	1036.B02.sp6:188902	VO	M00004091A:E01

SEQ ID NO:	Sample Name	Overlap	Clone Name
2167	1036.C02.sp6:188914	VO	M00004091B:C12
2168	1036.E02.sp6:188938	VO	M00004091C:F04
2169	1036.F02.sp6:188950	VO	M00004091D:D09
2170	1036.G02.sp6:188962	VO	M00004092A:C03
2171	1036.H02.sp6:188974	VO	M00004092A:D04
2172	1036.A03.sp6:188891	VO	M00004093A:F03
2173	1036.B03.sp6:188903	VO	M00004093D:D09
2174	1036.C03.sp6:188915	VNO	
2175	1036.D03.sp6:188927	VO	M00004101D:A03
2176	1036.E03.sp6:188939	VO	M00004102B:B04
2177	1036.F03.sp6:188951	VO	M00004102C:F07
2178	1036.H03.sp6:188975	VNO	
2179	1036.A04.sp6:188892	VNO	
2180	1036.B04.sp6:188904	VNO	
2181	1036.C04.sp6:188916	VNO	
2182	1036.D04.sp6:188928	VO	M00004107C:A01
2183	1036.E04.sp6:188940	VNO	
2184	1036.G04.sp6:188964	VO	M00004114C:F02
2185	1036.C05.sp6:188917	VO	M00004117B:F01
2186	1036.D05.sp6:188929	VO	M00004120A:C02
2187	1036.E05.sp6:188941	VO	M00004126B:G02
2188	1036.F05.sp6:188953	VNO	
2189	1036.G05.sp6:188965	VO	M00004129A:H08
2190	1036.H05.sp6:188977	VO	M00004130C:A09
2191	1036.A06.sp6:188894	VO	M00004130D:E04
2192	1036.C06.sp6:188918	VO	M00004133D:A01
2193	803.F6.sp6:164997	VNO	
2194	803.G6.sp6:165009	VNO	
2195	803.H6.sp6:165021	VNO	
2196	803.B7.sp6:164950	VO	M00004143A:G12
2197	803.C7.sp6:164962	VO	M00004143A:H07
2198	803.D7.sp6:164974	VNO	
2199	803.E7.sp6:164986	VNO	
2200	803.F7.sp6:164998	VO	M00004145C:A03
2201	803.G7.sp6:165010	VO	M00004146D:A07
2202	803.H7.sp6:165022	VO	M00004147A:G03
2203	803.A8.sp6:164939	VO	M00004149B:H12
2204	803.B8.sp6:164951	VNO	
2205	803.C8.sp6:164963	VO	M00004153D:E06
2206	803.D8.sp6:164975	VO	M00004154D:F11
2207	803.G8.sp6:165011	VNO	
2208	803.H8.sp6:165023	VNO	
2209	803.B9.sp6:164952	VNO	

SEQ ID NO.:	Sample Name	Overlap	Clone Name
2210	803.C9.sp6:164964	VNO	
2211	803.D9.sp6:164976	VNO	
2212	803.E9.sp6:164988	VNO	
2213	803.F9.sp6:165000	VNO	
2214	803.G9.sp6:165012	VO	M00004166B:E10
2215	803.H9.sp6:165024	VO	M00004166C:A03
2216	803.A10.sp6:164941	VO	M00004166D:G07
2217	803.B10.sp6:164953	VNO	
2218	803.C10.sp6:164965	VNO	
2219	1036.E06.sp6:188942	VO	M00004180B:F04
2220	1036.G06.sp6:188966	VNO	
2221	803.D10.sp6:164977	VNO	
2222	1036.A07.sp6:188895	VNO	
2223	1036.B07.sp6:188907	VNO	
2224	1036.C07.sp6:188919	VNO	
2225	1036.D07.sp6:188931	VO	M00004188A:E10
2226	1036.F07.sp6:188955	VNO	
2227	1036.G07.sp6:188967	VO	M00004190C:G07
2228	1036.H07.sp6:188979	VO	M00004190D:A10
2229	1036.A08.sp6:188896	VNO	
2230	1036.B08.sp6:188908	VO	M00004191B:G01
2231	1036.C08.sp6:188920	VO	M00004193A:C07
2232	1036.D08.sp6:188932	VO	M00004193C:H01
2233	803.E10.sp6:164989	VO	M00004196C:G05
2234	1036.E08.sp6:188944	VO	M00004198D:H04
2235	1036.F08.sp6:188956	VO	M00004199D:C02
2236	1036.G08.sp6:188968	VO	M00004200A:A09
2237	1036.H08.sp6:188980	VO	M00004200A:G06
2238	803.F10.sp6:165001	VNO	
2239	1036.A09.sp6:188897	VO	M00004200D:A07
2240	1036.B09.sp6:188909	VO	M00004201D:C11
2241	1036.C09.sp6:188921	VO	M00004201D:E12
2242	1036.E09.sp6:188945	VNO	
2243	1036.G09.sp6:188969	VO	M00004204A:D04
2244	1036.H09.sp6:188981	VO	M00004204A:D10
2245	1036.A10.sp6:188898	VO	M00004204B:A04
2246	1036.B10.sp6:188910	VNO	
2247	1036.C10.sp6:188922	VO	M00004210A:B09
2248	1036.D10.sp6:188934	VO	M00004213A:H12
2249	1036.E10.sp6:188946	VO	M00004214A:D03
2250	1036.F10.sp6:188958	VO	M00004216D:E10
2251	1036.G10.sp6:188970	VO	M00004217A:A05
2252	1036.H10.sp6:188982	VO	M00004217A:A11

SEQ ID NO:	Sample Name	Overlap	Clone Name
2253	1036.A11.sp6:188899	VO	M00004217D:G10
2254	1036.B11.sp6:188911	VO	M00004218C:G10
2255	1036.C11.sp6:188923	VNO	
2256	803.G10.sp6:165013	VNO	
2257	803.A11.sp6:164942	VNO	
2258	803.B11.sp6:164954	VNO	
2259	803.C11.sp6:164966	VNO	
2260	803.D11.sp6:164978	VO	M00004234B:E03
2261	803.E11.sp6:164990	VO	M00004234B:G06
2262	803.G11.sp6:165014	VO	M00004236D:F04
2263	803.A12.sp6:164943	VNO	
2264	803.B12.sp6:164955	VO	M00004240D:A07
2265	803.D12.sp6:164979	VNO	
2266	803.F12.sp6:165003	VO	M00004242C:C02
2267	803.G12.sp6:165015	VNO	
2268	803.H12.sp6:165027	VO	M00004244B:A02
2269	804.A1.sp6:165124	VNO	
2270	983.A01.sp6:186169	VO	M00004245A:G09
2271	983.B01.sp6:186179	VO	M00004245C:A03
2272	804.C1.sp6:165148	VNO	
2273	983.C01.sp6:186189	VO	M00004247A:E01
2274	983.E01.sp6:186208	VO	M00004248A:G08
2275	804.E1.sp6:165172	VNO	
2276	1036.E11.sp6:188947	VNO	
2277	1036.F11.sp6:188959	VO	M00004252D:A07
2278	1036.G11.sp6:188971	VO	M00004252D:H08
2279	1036.H11.sp6:188983	VO	M00004253B:A10
2280	1036.A12.sp6:188900	VO	M00004253B:F06
2281	1036.B12.sp6:188912	VO	M00004253C:E10
2282	1036.C12.sp6:188924	VO	M00004253D:F09
2283	1036.D12.sp6:188936	VO	M00004257C:A08
2284	1036.E12.sp6:188948	VO	M00004260A:B07
2285	1036.F12.sp6:188960	VO	M00004260C:A12
2286	1036.G12.sp6:188972	VO	M00004260C:E10
2287	1036.H12.sp6:188984	VO	M00004262C:C01
2288	804.F1.sp6:165184	VNO	
2289	983.F01.sp6:186217	VO	M00004263D:F06
2290	983.G01.sp6:186226	VNO	
2291	983.H01.sp6:186235	VO	M00004266B:H06
2292	804.H1.sp6:165208	VNO	
2293	983.A02.sp6:186170	VO	M00004268C:F08
2294	983.B02.sp6:186180	VO	M00004268D:G07
2295	804.B2.sp6:165137	VNO	

SEQ ID NO:	Sample Name	Overlap	Clone Name
2296	983.C02.sp6:186190	VO	M00004269A:B11
2297	804.D2.sp6:165161	VNO	
2298	983.D02.sp6:186200	VO	M00004269D:E08
2299	983.E02.sp6:186209	VO	M00004272D:D02
2300	804.E2.sp6:165173	VNO	
2301	804.F2.sp6:165185	VNO	
2302	983.F02.sp6:186218	VO	M00004273D:E11
2303	804.G2.sp6:165197	VNO	
2304	983.G02.sp6:186227	VO	M00004276C:E12
2305	804.H2.sp6:165209	VNO	
2306	983.H02.sp6:186236	VNO	
2307	983.A03.sp6:186171	VO	M00004277C:H11
2308	804.A3.sp6:165126	VNO	
2309	804.C3.sp6:165150	VNO	
2310	983.C03.sp6:186191	VO	M00004279D:E02
2311	983.D03.sp6:186201	VNO	
2312	804.D3.sp6:165162	VNO	
2313	983.E03.sp6:186210	VO	M00004281B:B05
2314	804.E3.sp6:165174	VNO	
2315	804.F3.sp6:165186	VNO	
2316	983.F03.sp6:186219	VO	M00004283C:D03
2317	983.G03.sp6:186228	VNO	
2318	804.G3.sp6:165198	VNO	
2319	804.H3.sp6:165210	VNO	
2320	983.H03.sp6:186237	VO	M00004285B:E01
2321	804.A4.sp6:165127	VNO	
2322	983.A04.sp6:186172	VNO	
2323	804.B4.sp6:165139	VNO	
2324	983.B04.sp6:186182	VNO	
2325	804.C4.sp6:165151	VNO	
2326	983.C04.sp6:186192	VNO	
2327	983.D04.sp6:186202	VO	M00004297D:E08
2328	804.D4.sp6:165163	VNO	
2329	804.E4.sp6:165175	VNO	
2330	983.E04.sp6:186211	VO	M00004298B:D04
2331	804.F4.sp6:165187	VNO	
2332	983.F04.sp6:186220	VO	M00004308A:E06
2333	804.G4.sp6:165199	VNO	
2334	983.G04.sp6:186229	VO	M00004324B:D09
2335	983.H04.sp6:186238	VO	M00004328A:H06
2336	804.H4.sp6:165211	VNO	
2337	804.A5.sp6:165128	VNO	
2338	983.A05.sp6:186173	VO	M00004329C:F11

SEQ ID NO:	Sample Name	Overlap	Clone Name
2339	804.B5.sp6:165140	VNO	
2340	983.B05.sp6:186183	VO	M00004331D:H08
2341	983.C05.sp6:186193	VNO	
2342	804.C5.sp6:165152	VNO	
2343	983.D05.sp6:186203	VO	M00004332B:E11
2344	804.D5.sp6:165164	VNO	
2345	983.E05.sp6:186212	VO	M00004332C:E09
2346	804.E5.sp6:165176	VNO	
2347	983.H05.sp6:186239	VNO	
2348	804.H5.sp6:165212	VNO	
2349	804.B6.sp6:165141	VNO	
2350	983.B06.sp6:186184	VO	M00004383A:F02
2351	983.C06.sp6:186194	VO	M00004385C:B11
2352	804.C6.sp6:165153	VNO	
2353	983.D06.sp6:186204	VO	M00004388C:D05
2354	804.D6.sp6:165165	VNO	
2355	804.E6.sp6:165177	VNO	
2356	983.E06.sp6:186213	VO	M00004389C:E01
2357	983.F06.sp6:186222	VNO	
2358	804.F6.sp6:165189	VNO	
2359	983.G06.sp6:186231	VO	M00004406A:H03
2360	804.G6.sp6:165201	VNO	
2361	983.H06.sp6:186240	VNO	
2362	804.H6.sp6:165213	VNO	
2363	804.A7.sp6:165130	VO	M00004408D:A10
2364	983.A07.sp6:186175	VO	M00004408D:A10
2365	983.B07.sp6:186185	VO	M00004410A:E03
2366	983.C07.sp6:186195	VO	M00004412B:E03
2367	983.D07.sp6:186205	VO	M00004419D:G01
2368	804.E7.sp6:165178	VNO	
2369	983.E07.sp6:186214	VO	M00004421A:G04
2370	804.G7.sp6:165202	VNO	
2371	983.G07.sp6:186232	VO	M00004447D:D10
2372	804.H7.sp6:165214	VNO	
2373	983.H07.sp6:186241	VO	M00004449D:H01
2374	983.A08.sp6:186176	VO	M00004460B:H09
2375	804.A8.sp6:165131	VNO	
2376	804.B8.sp6:165143	VNO	
2377	983.B08.sp6:186186	VNO	
2378	983.C08.sp6:186196	VO	M00004465C:B10
2379	804.C8.sp6:165155	VNO	
2380	983.D08.sp6:186206	VO	M00004465C:B12
2381	804.D8.sp6:165167	VNO	

SEQ ID NO:	Sample Name	Overlap	Clone Name
2382	983.E08.sp6:186215	VNO	
2383	804.E8.sp6:165179	VNO	
2384	983.F08.sp6:186224	VO	M00004467A:F09
2385	804.F8.sp6:165191	VNO	
2386	804.G8.sp6:165203	VNO	
2387	983.G08.sp6:186233	VO	M00004467D:F09
2388	804.H8.sp6:165215	VNO	
2389	983.H08.sp6:186242	VO	M00004469A:C12
2390	804.A9.sp6:165132	VNO	
2391	983.A09.sp6:186177	VNO	
2392	983.B09.sp6:186187	VO	M00004491D:D07
2393	804.B9.sp6:165144	VNO	
2394	804.C9.sp6:165156	VNO	
2395	983.C09.sp6:186197	VO	M00004497C:E09
2396	983.D09.sp6:186207	VO	M00004498B:E01
2397	804.D9.sp6:165168	VNO	
2398	804.E9.sp6:165180	VNO	
2399	983.E09.sp6:186216	VO	M00004501A:G06
2400	983.F09.sp6:186225	VO	M00004506C:H10
2401	804.G9.sp6:165204	VNO	
2402	983.G09.sp6:186234	VO	M00004508A:G12
2403	804.H9.sp6:165216	VNO	
2404	983.H09.sp6:186243	VO	M00004508B:G02
2405	804.A10.sp6:165133	VNO	
2406	983.A10.sp6:186178	VO	M00004509A:H02
2407	983.B10.sp6:186188	VNO	
2408	804.B10.sp6:165145	VNO	
2409	983.C10.sp6:186198	VO	M00004609C:C11
2410	992.B01.sp6:186331	VO	M00005294D:H02
2411	992.C01.sp6:186343	VO	M00005326B:F03
2412	992.G01.sp6:186391	VO	M00005342A:C04
2413	992.H01.sp6:186403	VO	M00005342A:D04
2414	992.A02.sp6:186320	VO	M00005342B:G10
2415	992.B02.sp6:186332	VO	M00005342D:F03
2416	992.C02.sp6:186344	VO	M00005349B:G01
2417	992.D02.sp6:186356	VO	M00005352B:D02
2418	992.H02.sp6:186404	VO	M00005354C:E02
2419	992.A03.sp6:186321	VO	M00005356A:D09
2420	992.C03.sp6:186345	VO	M00005359D:G07
2421	992.E03.sp6:186369	VO	M00005377A:A04
2422	992.H03.sp6:186405	VO	M00005378A:A08
2423	992.B04.sp6:186334	VO	M00005383D:D06
2424	992.C04.sp6:186346	VO	M00005383D:E07

SEQ ID NO:	Sample Name	Overlap	Clone Name
2425	992.E04.sp6:186370	VNO	
2426	992.F04.sp6:186382	VO	M00005385C:G05
2427	992.G04.sp6:186394	VNO	
2428	992.A05.sp6:186323	VO	M00005388D:F09
2429	992.D05.sp6:186359	VO	M00005393A:E11
2430	992.E05.sp6:186371	VO	M00005394A:G07
2431	992.G05.sp6:186395	VO	M00005397C:B03
2432	992.D06.sp6:186360	VNO	
2433	992.G06.sp6:186396	VO	M00005409D:C02
2434	992.C07.sp6:186349	VO	M00005415C:G08
2435	992.E07.sp6:186373	VO	M00005417A:E10
2436	992.F07.sp6:186385	VNO	
2437	992.A08.sp6:186326	VO	M00005442D:C05
2438	992.B08.sp6:186338	VNO	
2439	992.C08.sp6:186350	VO	M00005444B:E11
2440	992.E08.sp6:186374	VO	M00005446C:D12
2441	992.F08.sp6:186386	VNO	
2442	992.G08.sp6:186398	VNO	
2443	992.H08.sp6:186410	VNO	
2444	992.D09.sp6:186363	VNO	
2445	992.F09.sp6:186387	VO	M00005454C:H12
2446	992.E10.sp6:186376	VO	M00005462C:B02
2447	992.H10.sp6:186412	VO	M00005468A:D08
2448	953.H09.sp6:185217	VO	M00005468A:D08
2449	992.C11.sp6:186353	VO	M00005469D:C11
2450	992.D12.sp6:186366	VO	M00005483D:A12
2451	992.E12.sp6:186378	VO	M00005484A:D09
2452	992.H12.sp6:186414	VNO	
2453	993.A01.sp6:186511	VNO	
2454	993.B01.sp6:186523	VO	M00005491B:C03
2455	993.C01.sp6:186535	VO	M00005493B:A12
2456	993.D01.sp6:186547	VO	M00005493B:C08
2457	993.E01.sp6:186559	VO	M00005493B:E01
2458	993.F01.sp6:186571	VO	M00005494D:F11
2459	993.G01.sp6:186583	VO	M00005496C:A01
2460	993.H01.sp6:186595	VO	M00005496D:A10
2461	993.A02.sp6:186512	VO	M00005497B:H07
2462	993.B02.sp6:186524	VO	M00005497C:C07
2463	993.C02.sp6:186536	VNO	
2464	993.D02.sp6:186548	VO	M00005497C:C12
2465	993.E02.sp6:186560	VO	M00005497C:E03
2466	993.F02.sp6:186572	VO	M00005498B:F08
2467	993.G02.sp6:186584	VO	M00005498C:G05

SEQ ID NO:	Sample Name	Overlap	Clone Name
2468	993.H02.sp6:186596	VO	M00005505A:C08
2469	993.A03.sp6:186513	VO	M00005508A:H01
2470	993.B03.sp6:186525	VO	M00005508B:B04
2471	993.F03.sp6:186573	VO	M00005528D:A10
2472	993.H03.sp6:186597	VO	M00005530B:D03
2473	993.B04.sp6:186526	VO	M00005534A:G06
2474	993.C04.sp6:186538	VO	M00005534B:H10
2475	993.D04.sp6:186550	VO	M00005539D:G07
2476	993.E04.sp6:186562	VO	M00005548B:E03
2477	993.F04.sp6:186574	VO	M00005550B:D09
2478	993.G04.sp6:186586	VO	M00005565C:A08
2479	993.H04.sp6:186598	VO	M00005571A:E11
2480	993.A05.sp6:186515	VO	M00005589C:B03
2481	993.C05.sp6:186539	VNO	
2482	993.D05.sp6:186551	VO	M00005620C:C05
2483	993.E05.sp6:186563	VO	M00005621A:G10
2484	993.F05.sp6:186575	VO	M00005621D:F01
2485	993.G05.sp6:186587	VNO	
2486	993.H05.sp6:186599	VO	M00005626A:B11
2487	993.A06.sp6:186516	VO	M00005631A:A11
2488	993.B06.sp6:186528	VO	M00005632C:D06
2489	993.D06.sp6:186552	VNO	
2490	993.E06.sp6:186564	VO	M00005636C:D11
2491	993.F06.sp6:186576	VO	M00005637B:D12
2492	993.G06.sp6:186588	VNO	
2493	993.H06.sp6:186600	VNO	
2494	993.A07.sp6:186517	VO	M00005642B:C03
2495	993.B07.sp6:186529	VO	M00005645D:F08
2496	993.C07.sp6:186541	VNO	
2497	993.D07.sp6:186553	VNO	
2498	993.E07.sp6:186565	VO	M00005647D:D09
2499	993.F07.sp6:186577	VO	M00005655B:C02
2500	993.G07.sp6:186589	VNO	
2501	993.H07.sp6:186601	VO	M00005703A:C08
2502	993.A08.sp6:186518	VNO	
2503	993.D08.sp6:186554	VO	M00005710A:C08
2504	993.E08.sp6:186566	VO	M00005720A:D03
2505	993.F08.sp6:186578	VO	M00005720B:D09
2506	993.G08.sp6:186590	VNO	
2507	993.H08.sp6:186602	VO	M00005722D:G03
2508	993.A09.sp6:186519	VO	M00005743B:F02
2509	993.B09.sp6:186531	VO	M00005762D:A01
2510	993.C09.sp6:186543	VO	M00005763B:H09

SEQ ID NO:	Sample Name	Overlap	Clone Name
2511	993.F09.sp6:186579	VO	M00005783A:C05
2512	993.G09.sp6:186591	VO	M00005810C:D04
2513	993.H09.sp6:186603	VO	M00005812C:F10
2514	993.A10.sp6:186520	VO	M00005813D:F06
2515	993.C10.sp6:186544	VO	M00005818C:E08
2516	993.D10.sp6:186556	VO	M00005818C:G01
2517	993.E10.sp6:186568	VO	M00006576D:F11
2518	993.G10.sp6:186592	VO	M00006581C:D02
2519	993.H10.sp6:186604	VO	M00006581D:H08
2520	993.A11.sp6:186521	VNO	
2521	993.B11.sp6:186533	VO	M00006582D:E05
2522	993.E11.sp6:186569	VO	M00006594A:E08
2523	993.F11.sp6:186581	VO	M00006594D:F09
2524	993.H11.sp6:186605	VO	M00006596D:H04
2525	993.A12.sp6:186522	VO	M00006601C:A07
2526	993.B12.sp6:186534	VO	M00006601C:E06
2527	993.C12.sp6:186546	VO	M00006601D:F04
2528	993.D12.sp6:186558	VO	M00006604C:H10
2529	993.E12.sp6:186570	VO	M00006607B:E03
2530	993.F12.sp6:186582	VO	M00006607B:F04
2531	993.G12.sp6:186594	VO	M00006609A:G10
2532	1010.A01.sp6:189937	VO	M00022495C:G05
2533	1010.B01.sp6:189947	VO	M00022498C:C08
2534	1010.C01.sp6:189957	VO	M00022504B:E03
2535	1010.D01.sp6:189967	VO	M00022505D:A12
2536	1010.E01.sp6:189976	VO	M00022509D:F06
2537	1010.F01.sp6:189985	VNO	
2538	1010.G01.sp6:189994	VO	M00022515D:C04
2539	1010.H01.sp6:190003	VO	M00022527A:E05
2540	1010.A02.sp6:189938	VO	M00022527D:B03
2541	1010.B02.sp6:189948	VO	M00022531B:D07
2542	1010.C02.sp6:189958	VO	M00022535D:B11
2543	1010.D02.sp6:189968	VO	M00022535D:C04
2544	1010.E02.sp6:189977	VO	M00022536B:B04
2545	1010.G02.sp6:189995	VO	M00022551A:G03
2546	1010.H02.sp6:190004	VO	M00022556B:C04
2547	1010.A03.sp6:189939	VO	M00022556B:G02
2548	1010.B03.sp6:189949	VNO	
2549	1010.C03.sp6:189959	VO	M00022562C:H10
2550	1010.D03.sp6:189969	VNO	
2551	1010.E03.sp6:189978	VO	M00022578B:G05
2552	1010.F03.sp6:189987	VO	M00022578C:B07
2553	1010.G03.sp6:189996	VO	M00022578D:A08

SEQ ID NO:	Sample Name	Overlap	Clone Name
2554	1010.H03.sp6:190005	VO	M00022578D:F03
2555	1010.A04.sp6:189940	VNO	
2556	1010.B04.sp6:189950	VO	M00022583B:E05
2557	1010.C04.sp6:189960	VO	M00022587C:G04
2558	1010.D04.sp6:189970	VO	M00022594B:H12
2559	1010.E04.sp6:189979	VO	M00022597B:F11
2560	1010.F04.sp6:189988	VO	M00022598A:F11
2561	1010.G04.sp6:189997	VNO	
2562	1010.H04.sp6:190006	VO	M00022599D:E07
2563	1010.A05.sp6:189941	VO	M00022600C:A06
2564	1010.B05.sp6:189951	VO	M00022604B:C11
2565	1010.C05.sp6:189961	VO	M00022607B:A04
2566	1010.D05.sp6:189971	VO	M00022613D:C04
2567	1010.E05.sp6:189980	VO	M00022651D:C06
2568	1010.F05.sp6:189989	VNO	
2569	1010.G05.sp6:189998	VNO	
2570	1010.H05.sp6:190007	VO	M00022666B:E12
2571	1010.A06.sp6:189942	VO	M00022666C:H11
2572	1010.B06.sp6:189952	VNO	
2573	1010.C06.sp6:189962	VO	M00022681C:H02
2574	1010.D06.sp6:189972	VO	M00022682A:F12
2575	1010.E06.sp6:189981	VO	M00022685A:F11
2576	1010.F06.sp6:189990	VO	M00022698C:E06
2577	1010.G06.sp6:189999	VO	M00022701B:B12
2578	1010.H06.sp6:190008	VO	M00022708A:C08
2579	1010.A07.sp6:189943	VO	M00022708D:G10
2580	1010.B07.sp6:189953	VO	M00022716D:D08
2581	1010.C07.sp6:189963	VNO	
2582	1010.D07.sp6:189973	VO	M00022725C:B03
2583	1010.E07.sp6:189982	VO	M00022725C:E09
2584	1010.F07.sp6:189991	VO	M00022726A:A06
2585	1010.G07.sp6:190000	VNO	
2586	1010.H07.sp6:190009	VNO	
2587	1010.A08.sp6:189944	VO	M00022730A:E04
2588	1010.B08.sp6:189954	VNO	
2589	1010.C08.sp6:189964	VO	M00022735B:B01
2590	1010.D08.sp6:189974	VO	M00022737A:C08
2591	1010.E08.sp6:189983	VNO	
2592	1010.F08.sp6:189992	VO	M00022745B:G02
2593	1010.G08.sp6:190001	VO	M00022763A:E10
2594	1010.H08.sp6:190010	VO	M00022824C:H11
2595	1010.B09.sp6:189955	VO	M00022835C:E06
2596	1010.C09.sp6:189965	VO	M00022854D:H07

SEQ ID NO:	Sample Name	Overlap	Clone Name
2597	1010.D09.sp6:189975	VO	M00022856A:D02
2598	1010.E09.sp6:189984	VNO	
2599	1010.F09.sp6:189993	VO	M00022856B:F04
2600	1010.G09.sp6:190002	VO	M00022856C:B11
2601	1010.H09.sp6:190011	VO	M00022893C:H11
2602	1010.A10.sp6:189946	VO	M00022897A:F04
2603	1010.B10.sp6:189956	VO	M00022900D:E08
2604	1010.C10.sp6:189966	VO	M00022900D:G03
2605	019.C4.sp6:128426	VO	M00004190A:A09
2606	774.C8.sp6:162530	VO	M00004190A:A09
2607	1036.E07.sp6:188943	VO	M00004190A:A09
2608	019.E11.sp6:128457	VO	M00005817D:E12
2609	993.B10.sp6:186532	VO	M00005817D:E12
2610	019.G5.sp6:128475	VO	M00006927C:F12

Table 1C

SEQ ID NO:	Sequence Name	THC Accession No.
2611	RTA00000587F.p.24.1.Seq	THC226834
2612	RTA00000629F.l.02.1.Seq	THC210324
2613	RTA00000623F.n.17.1.Seq	THC208388
2614	RTA00000593F.i.08.2.Seq	H91190
2615	RTA00000622F.b.03.1.Seq	AA554045
2616	RTA00000618F.e.06.1.Seq	THC226692
2617	RTA00000592F.o.02.1.Seq	AA099789
2618	RTA00000618F.c.04.1.Seq	THC222808
2619	RTA00000590F.i.01.1.Seq	THC173163
2620	RTA00000606F.o.14.1.Seq	THC223717
2621	RTA00000626F.d.07.1.Seq	THC234888
2622	RTA00000587F.l.08.1.Seq	THC104384
2623	RTA00000586F.a.13.1.Seq	THC140691
2624	RTA00000617F.a.17.1.Seq	THC221850
2625	RTA00000615F.b.23.1.Seq	THC205191
2626	RTA00000632F.f.10.1.Seq	N39216
2627	RTA00000607F.o.13.2.Seq	THC233619
2628	RTA00000622F.c.12.1.Seq	THC118482
2629	RTA00000625F.b.07.1.Seq	THC223154
2630	RTA00000587F.j.01.1.Seq	H63018
2631	RTA00000608F.i.15.1.Seq	THC216448
2632	RTA00000592F.j.06.1.Seq	THC148215
2633	RTA00000589F.b.14.1.Seq	THC158020
2634	RTA00000633F.g.19.1.Seq	THC202541
2635	RTA00000620F.o.07.1.Seq	THC155200
2636	RTA00000586F.p.01.1.Seq	AA558590
2637	RTA00000630F.l.10.1.Seq	THC204748
2638	RTA00000626F.c.13.1.Seq	AA159259
2639	RTA00000591F.m.06.1.Seq	THC227858
2640	RTA00000630F.i.11.1.Seq	THC228806
2641	RTA00000621F.h.08.1.Seq	THC163604
2642	RTA00000589F.d.10.1.Seq	THC177076
2643	RTA00000597F.p.01.1.Seq	THC210746
2644	RTA00000619F.c.13.1.Seq	R57955
2645	RTA00000607F.c.07.2.Seq	THC208762
2646	RTA00000595F.b.02.1.Seq	THC233682
2647	RTA00000631F.h.04.1.Seq	THC223281
2648	RTA00000596F.p.18.1.Seq	THC197103
2649	RTA00000586F.o.13.1.Seq	THC222729
2650	RTA00000610F.p.17.1.Seq	EST19015
2651	RTA00000596F.c.05.1.Seq	EST72617

SEQ ID NO:	Sequence Name	THC Accession No.
2652	RTA00000632F.j.19.1.Seq	THC90741
2653	RTA00000607F.e.23.2.Seq	AA639216
2654	RTA00000628F.b.19.1.Seq	THC118075
2655	RTA00000609F.d.13.1.Seq	THC195579
2656	RTA00000621F.k.03.1.Seq	EST70278
2657	RTA00000592F.l.04.1.Seq	THC91941
2658	RTA00000592F.k.09.1.Seq	THC229803
2659	RTA00000622F.e.17.1.Seq	R57425
2660	RTA00000628F.g.13.1.Seq	THC176706
2661	RTA00000592F.k.23.1.Seq	THC232202
2662	RTA00000609F.m.04.2.Seq	AA507611
2663	RTA00000626F.b.04.1.Seq	EST69420
2664	RTA00000591F.m.01.1.Seq	H41850
2665	RTA00000608F.n.23.1.Seq	THC214886
2666	RTA00000583F.d.19.1.Seq	THC229251
2667	RTA00000621F.p.15.1.Seq	THC212450
2668	RTA00000583F.n.05.1.Seq	AA252468
2669	RTA00000597F.f.17.1.Seq	THC219322
2670	RTA00000606F.l.10.1.Seq	THC225232
2671	RTA00000618F.n.14.1.Seq	THC216591
2672	RTA00000612F.h.05.3.Seq	THC158250
2673	RTA00000619F.a.24.1.Seq	AA437370
2674	RTA00000617F.k.13.1.Seq	AA244445
2675	RTA00000623F.h.07.1.Seq	THC212330
2676	RTA00000620F.e.01.1.Seq	THC167493
2677	RTA00000620F.h.10.1.Seq	THC232456
2678	RTA00000589F.e.21.2.Seq	THC208239
2679	RTA00000626F.b.22.1.Seq	THC225644
2680	RTA00000620F.i.16.1.Seq	AA536090
2681	RTA00000613F.c.17.1.Seq	THC92470
2682	RTA00000621F.c.12.1.Seq	THC156244
2683	RTA00000618F.b.17.1.Seq	THC209838
2684	RTA00000585F.d.16.1.Seq	THC211870
2685	RTA00000592F.a.06.1.Seq	THC233200
2686	RTA00000583F.p.08.1.Seq	THC196844
2687	RTA00000622F.h.21.1.Seq	EST12698
2688	RTA00000591F.h.03.1.Seq	THC213771
2689	RTA00000620F.g.22.1.Seq	THC224063
2690	RTA00000588F.l.20.2.Seq	R84876
2691	RTA00000614F.a.20.1.Seq	R84876
2692	RTA00000611F.n.14.3.Seq	THC200742
2693	RTA00000619F.f.23.1.Seq	THC227573

SEQ ID NO:	Sequence Name	THC Accession No.
2694	RTA00000608F.g.24.1.Seq	T93977
2695	RTA00000595F.o.01.2.Seq	EST61392
2696	RTA00000608F.b.23.1.Seq	THC161665
2697	RTA00000606F.o.23.1.Seq	AA464645
2698	RTA00000588F.i.22.3.Seq	THC162216
2699	RTA00000610F.i.13.1.Seq	AA595068
2700	RTA00000608F.b.15.1.Seq	EST11866
2701	RTA00000597F.e.16.1.Seq	N88730
2702	RTA00000610F.h.13.1.Seq	THC195895
2703	RTA00000611F.h.21.2.Seq	EST46722
2704	RTA00000584F.b.06.1.Seq	EST02998
2705	RTA00000584F.b.06.2.Seq	EST02998
2706	RTA00000608F.j.05.1.Seq	EST60433
2707	RTA00000588F.b.03.1.Seq	THC164651

Table 2A: Nearest Neighbor (BlastN vs. Genbank)

SEQ ID	ACC'N	DESCRIP.	P VALUE
571	L17043	Homo sapiens pregnancy-specific beta-1-glycoprotein-11 gene.	1.00E-12
578	M18864	Rat bone protein I (BP-I) mRNA, partial cds.	7.00E-30
609	L13838	Human genomic sequence from chromosome 13, clone ch13lambdacDNA17-18.	4.00E-36
618	U09646	Human carnitine palmitoyltransferase II precursor	1.00E-34
627	U72621	Human LOT1 mRNA, complete cds	1.00E-43
629	M20910	Human 7S L gene, complete.	1.00E-35
636	Z48950	H.sapiens hH3.3B gene for histone H3.3	4.00E-36
639	X00247	Human translocated c-myc gene in Raji Burkitt lymphoma cells	3.00E-44
643	D80007	Human mRNA for KIAA0185 gene, partial cds	7.00E-52
646	U14967	Human ribosomal protein L21 mRNA, complete cds.	2.00E-42
649	M13934	Human ribosomal protein S14 gene, complete cds.	4.00E-45
652	NM_003902.1	Homo sapiens far upstream element binding protein (FUBP) mRNA > :: gb U05040 HSU05040 Human FUSE binding protein mRNA, complete cds.	1.00E-54
657	L41142	Homo sapiens signal transducer and activator of transcription (STAT5) mRNA, complete cds.	2.00E-62
665	Z12112	pWE15A cosmid vector DNA	2.00E-52
667	Z54386	H.sapiens CpG island DNA genomic MseI fragment, clone 10g3, forward read cpg10g3.ft1a	7.00E-48
668	X80333	M.musculus rab18 mRNA	2.00E-52
669	X52126	Human alternatively spliced c-myb mRNA	1.00E-64
671	L26247	Homo sapiens suil1s01 mRNA, complete cds.	3.00E-54
676	NM_001736.1	Homo sapiens complement component 5 receptor 1 C5a anaphylatoxin receptor mRNA, complete cds.	4.00E-56
677	Z50798	G.gallus mRNA-for-p52	4.00E-55
679	AB002368	Human mRNA for KIAA0370 gene, partial cds	2.00E-58
681	M26697	Human nucleolar protein (B23) mRNA, complete cds.	4.00E-48
683	D42087	Human mRNA for KIAA0118 gene, partial cds	4.00E-56
693	D50734	Rat mRNA of antizyme inhibitor, complete cds	2.00E-50
697	X02344	Homo sapiens beta 2 gene	1.00E-67
698	NM_001067.1	Homo sapiens topoisomerase (DNA) II alpha topoisomerase II (top2) mRNA, complete cds.	7.00E-63
701	U36309	Gallus gallus rhoGap protein mRNA, complete cds	3.00E-62
703	NM_002842.1	Homo sapiens protein tyrosine phosphatase, receptor type, H (PTPRH) mRNA > :: dbj D15049 HUMSAP1C Human mRNA for protein tyrosine phosphatase	2.00E-81
707	U47322	Cloning vector DNA, complete sequence.	1.00E-63

Table 2A: Nearest Neighbor (BlastN vs. Genbank)

SEQ ID	ACC'N	DESCRIP.	P VALUE
714	NM_001190.1	Homo sapiens branched chain aminotransferase 2, mitochondrial (BCAT2) mRNA > :: gb U68418 HSU68418 Human branched chain aminotransferase precursor (BCATm) mRNA, nuclear gene encoding mitochondrial protein, complete cds	4.00E-67
718	S62077	HP1Hs alpha=25 kda chromosomal autoantigen [human, mRNA, 876 nt]	5.00E-68
719	U34991	Human endogenous retrovirus clone c18.4, HERV-H/HERV-E hybrid multiply spliced protease/integrase mRNA, complete cds, and envelope protein mRNA, partial cds	2.00E-61
722	U18671	Human Stat2 gene, complete cds.	4.00E-77
723	L18964	Human protein kinase C iota isoform (PRKCI) mRNA, complete cds.	4.00E-68
724	D29956	Human mRNA for KIAA0055 gene, complete cds	6.00E-70
725	M77140	H.sapiens pro-galanin mRNA, 3' end.	2.00E-72
728	U51432	Homo sapiens nuclear protein Skip mRNA, complete cds	1.00E-75
729	M84334	Macacca mulatta hnRNP A1-gamma isoform mRNA, complete cds.	5.00E-50
730	NM_002592.1	Homo sapiens proliferating cell nuclear antigen (PCNA) mRNA > :: gb M15796 HUMCYL Human cyclin protein gene, complete cds.	1.00E-74
731	M88458	Human ELP-1 mRNA sequence.	4.00E-76
732	U44940	Mus musculus quaking type I (QKI) mRNA, complete cds	2.00E-69
733	D17577	Mouse mRNA for kinesin-like protein (Kif1b), complete cds	2.00E-71
734	U18920	Human chromosome 17q12-21 mRNA, clone pOV-3, partial cds.	2.00E-72
736	M21188	Human insulin-degrading enzyme (IDE) mRNA, complete cds.	7.00E-82
737	U49058	Rattus norvegicus CTD-binding SR-like protein rA4 mRNA, partial cds	1.00E-67
739	D10630	Mus musculus mRNA for zinc finger protein, complete cds, clone:CTfin51	4.00E-76
740	U29156	Mus musculus eps15R mRNA, complete cds.	3.00E-84
741	Y08135	M.musculus mRNA for ASM-like phosphodiesterase 3a	1.00E-86
742	U90567	Gallus gallus glutamine rich protein mRNA, partial cds	5.00E-58
743	U58280	Mus musculus second largest subunit of RNA polymerase I (RPA2) mRNA, complete cds	4.00E-77
744	S79539	Pat-12=Pat-12 product [mice, embryonic stem ES cells, mRNA, 2781 nt]	9.00E-84
745	D30666	Rat mRNA for brain acyl-CoA synthetase II, complete cds	2.00E-89
746	U29156	Mus musculus eps15R mRNA, complete cds.	2.00E-92

Table 2A: Nearest Neighbor (BlastN vs. Genbank)

SEQ ID	ACC'N	DESCRIP.	P VALUE
748	U36909	Bos taurus Rho-associated kinase mRNA. complete cds	e-104
749	L36315	Mus musculus (clone pMLZ-1) zinc finger protein	e-105
750	X80169	M.musculus mRNA for 200 kD protein	e-106
751	X83577	M.musculus mRNA for K-glypican	e-107
1060	Z95437	Human DNA sequence from cosmid A1 on chromosome 6 contains ESTs. HERV like retroviral sequence	8.00E-21
1112	X69907	H.sapiens gene for mitochondrial ATP synthase c subunit (PI form)	6.00E-07
1125	M19390	Bovine interstitial retinol binding protein	8.00E-31
1156	U19247	Homo sapiens interferon-gamma receptor alpha chain gene. exon 7 and complete cds	7.00E-41
1170	U20239	Mus musculus fibrosin mRNA. partial cds	5.00E-38
1171	D26361	Human mRNA for KIAA0042 gene. complete cds	2.00E-41
1195	NM_000694.1	Homo sapiens aldehyde dehydrogenase 7 (ALDH7) mRNA > :: gb U10868 HSU10868 Human aldehyde dehydrogenase ALDH7 mRNA. complete cds.	1.00E-37
1196	U84404	Human E6-associated protein E6-AP/ubiquitin-protein ligase (UBE3A) mRNA, alternatively spliced. complete cds	1.00E-46
1203	U51714	Human GPI protein p137 mRNA, partial sequence. 3'-UTR.	9.00E-53
1204	U58884	Mus musculus SH3-containing protein SH3P7 mRNA, complete cds. similar to Human Drebrin	2.00E-49
1210	X79067	H.sapiens ERF-1 mRNA 3' end	2.00E-72
1212	U00946	Human clone A9A2BRB5 (CAC)n/(GTG)n repeat-containing mRNA	3.00E-54
1217	D11078	Homo sapiens RGH2 gene. retrovirus-like element	6.00E-49
1219	U05989	Rattus norvegicus clone par-4 induced by effectors of apoptosis mRNA. complete cds.	3.00E-64
1220	U13185	Cloning vector pbetagal-Enhancer. complete sequence.	3.00E-52
1222	D87443	Human mRNA for KIAA0254 gene. complete cds	8.00E-63
1225	U19867	Cloning vector pSPL3, exon splicing vector. complete sequence. HIV envelope protein gp160 and beta-lactamase, complete cds.	7.00E-72
1227	U04817	Human protein kinase PITSLRE alpha 2-3 mRNA, complete cds.	4.00E-57
1230	U03687	Photinus pyralis modified luciferase gene, complete cds, and pUC18 derived vector.	3.00E-62
1231	U27196	Gallus gallus zinc finger protein (Fzf-1) mRNA, complete cds.	1.00E-66
1235	X53586	Human mRNA for integrin alpha 6	2.00E-71
1236	J05016	Human (clone pA3) protein disulfide isomerase related protein (ERp72) mRNA, complete cds.	3.00E-67

Table 2A: Nearest Neighbor (BlastN vs. Genbank)

SEQ ID	ACC'N	DESCRIP.	P VALUE
1237	M86752	Human transformation-sensitive protein (IEF SSP 3521) mRNA, complete cds.	1.00E-66
1239	L19437	Human transaldolase mRNA containing transposable element, complete cds	5.00E-70
1241	X90857	H.sapiens mRNA for -14 gene. containing globin regulatory element	1.00E-74
1242	NM_003980.1	Homo sapiens microtubule associated protein 7 mRNA	9.00E-76
1245	U17901	Rattus norvegicus phospholipase A-2-activating protein (plap) mRNA. complete cds.	3.00E-75
1246	S80632	threonine, tyrosine phosphatase [human, brain. mRNA Partial. 1236 nt]	2.00E-69
1247	M76541	Human DNA-binding protein (NF-E1) mRNA. complete cds.	2.00E-80
1248	S55305	14-3-3 protein gamma subtype=putative protein kinase C regulatory protein [rats, brain. mRNA, 3410 nt] > :: dbj D17447 D17447 Rattus norvegicus mRNA for 14-3-3 protein gamma-subtype, complete cds	7.00E-93
1249	NM_002350.1	Homo sapiens v-yes-1 Yamaguchi sarcoma viral related oncogene homolog (LYN) mRNA > :: gb M16038 HUMLYN Human lyn mRNA encoding a tyrosine kinase.	3.00E-86
1250	Y10725	M.musculus mRNA for protein kinase KIS	4.00E-68
1251	U89931	Cloning vector pTRE. complete sequence	3.00E-65
1252	Z46386	Bovine herpesvirus type 4 DNA for nonconserved region F (DN599 like strain)	3.00E-73
1253	L77599	Homo sapiens (clone SEL214) 17q YAC (303G8) RNA.	2.00E-69
1255	Y10746	H.sapiens mRNA for protein containing MBD 1	2.00E-79
1256	L77599	Homo sapiens (clone SEL214) 17q YAC (303G8) RNA.	2.00E-71
1257	Z57619	H.sapiens CpG island DNA genomic MseI fragment. clone 187a6. forward read cpg187a6.ft1b	7.00E-72
1258	U48807	Human MAP kinase phosphatase (MKP-2) mRNA. complete cds	3.00E-76
1260	M27444	Bos taurus (clone pTKD7) dopamine and cyclic AMP-regulated neuronal phosphoprotein (DARPP-32) mRNA, complete cds.	4.00E-76
1261	U37150	Bos taurus peptide methionine sulfoxide reductase (msrA) mRNA, complete cds	5.00E-78
1262	U02435	Cloning vector pSVbeta. complete sequence	1.00E-77
1263	U09662	Cloning vector pSEAP-Enhancer. complete sequence	4.00E-79
1264	M99566	sCos cloning vector SfiI containing bacteriophage promoters and flanking restriction sites in sCos vectors.	1.00E-79
1266	Z12112	pWE15A cosmid vector DNA	4.00E-80

Table 2A: Nearest Neighbor (BlastN vs. Genbank)

SEQ ID	ACC'N	DESCRIP.	P VALUE
1267	U55387	Cricetulus griseus SL15 mRNA, complete cds	2.00E-82
1269	L14684	Rattus norvegicus nuclear-encoded mitochondrial elongation factor G mRNA, complete cds.	2.00E-91
1270	U49057	Rattus norvegicus CTD-binding SR-like protein rA9 mRNA, complete cds	7.00E-93
1271	U57368	Mus musculus EGF repeat transmembrane protein mRNA, complete cds.	4.00E-97
1272	AF000938	Mus musculus RNA polymerase I largest subunit	8.00E-94
1274	X80169	M.musculus mRNA for 200 kD protein	e-102
1275	U09874	Mus musculus SKD3 mRNA, complete cds.	e-105
1276	D78020	Rat mRNA for NFI-A4, partial cds	e-108
1515	Z73360	Human DNA sequence from cosmid 92M18. BRCA2 gene region chromosome 13q12-13	9.00E-22
1522	X62078	H.sapiens mRNA for GM2 activator protein	7.00E-72
1523	X85750	H.sapiens mRNA for transcript associated with monocyte to macrophage differentiation	2.00E-50
1525	X03473	Human gene for histone H1(0)	1.00E-67
1535	X64411	R.norvegicus mRNA for 100 kDa protein	1.00E-54
1538	X13345	Human gene for plasminogen activator inhibitor 1	2.00E-59
1542	D86971	Human mRNA for KIAA0217 gene, partial cds	7.00E-83
1543	NM_001859.1	Homo sapiens solute carrier family 31 gb U83460 HSU83460 Human high-affinity copper uptake protein (hCTR1) mRNA, complete cds	7.00E-72
1544	X68194	H.sapiens h-Spl mRNA	5.00E-57
1545	AB002326	Human mRNA for KIAA0328 gene, partial cds	3.00E-74
1548	D31762	Human mRNA for KIAA0057 gene, complete cds	3.00E-85
1550	X58472	Mouse KIN17 mRNA for kin17 protein	2.00E-57
1551	U13185	Cloning vector pbetagal-Enhancer, complete sequence.	2.00E-79
1552	U55939	Expression vector pVP-Nco, complete sequence.	1.00E-76
1553	D87671	Rattus norvegicus mRNA for TIP120, complete cds	1.00E-87
1554	U25691	Mus musculus lymphocyte specific helicase mRNA, complete cds	4.00E-86
1555	U55939	Expression vector pVP-Nco, complete sequence.	5.00E-79
1556	Z12112	pWE15A cosmid vector DNA	2.00E-79
1557	U13185	Cloning vector pbetagal-Enhancer, complete sequence.	2.00E-79
1558	U13185	Cloning vector pbetagal-Enhancer, complete sequence.	6.00E-80
1559	Z12112	pWE15A cosmid vector DNA	6.00E-80
1560	U09661	Cloning vector pSEAP-Control, complete sequence	6.00E-80
1561	U36909	Bos taurus Rho-associated kinase mRNA, complete cds	2.00E-90
1562	L36610	Mus musculus protein synthesis initiation factor 4A (eIF-4A) gene, exons 5, 6, 7, 8, and 9.	2.00E-71

Table 2A: Nearest Neighbor (BlastN vs. Genbank)

SEQ ID	ACC'N	DESCRIP.	P VALUE
1563	S79463	M-Sema F=a factor in neural network development	1.00E-85
1564	U35312	Mus musculus nuclear receptor co-repressor mRNA, complete cds	1.00E-98
1571	L32977	Homo sapiens (clone f17252) ubiquinol cytochrome c reductase Rieske iron-sulphur protein (UQCRFS1) gene, exon 2	0
1576	S78454	Mus musculus metal response element DNA-binding protein M96 mRNA, complete cds	0
1586	M88458	Human ELP-1 mRNA sequence.	0
1622	S77512	LAMB2=laminin beta 2 chain [human, placenta. mRNA. 5642 nt]	e-131
1624	X53305	H.sapiens mRNA for stathmin	0
1625	J03591	Human ADP/ATP translocase mRNA. 3' end. clone pHAT3.	0
1630	L18964	Human protein kinase C iota isoform (PRKCI) mRNA, complete cds.	2E-67
1640	D29956	Human mRNA for KIAA0055 gene, complete cds	0
1649	M26697	Human nucleolar protein (B23) mRNA, complete cds.	e-149
1669	U47322	Cloning vector DNA, complete sequence.	4E-65
1689	NM_002079.1	Homo sapiens glutamic-oxaloacetic transaminase 1, soluble (aspartate aminotransferase 1) aspartate aminotransferase mRNA, complete cds.	0
1693	U55939	Expression vector pVP-Nco, complete sequence.	2E-70
1694	D80007	Human mRNA for KIAA0185 gene, partial cds	0
1695	NM_001904.1	Homo sapiens catenin (cadherin-associated protein), beta 1 (88kD) (CTNNB1) mRNA > :: emb X87838 HSRNABECA H.sapiens mRNA for beta-catenin	e-108
1701	U19867	Cloning vector pSPL3, exon splicing vector, complete sequence, HIV envelope protein gp160 and beta-lactamase, complete cds.	1E-44
1702	M31061	Human ornithine decarboxylase gene, complete cds.	0
1721	Z96177	H.sapiens telomeric DNA sequence, clone 10QTEL040, read 10QTELOO040.seq	2E-70
1722	NM_001904.1	Homo sapiens catenin (cadherin-associated protein), beta 1 (88kD) (CTNNB1) mRNA > :: emb X87838 HSRNABECA H.sapiens mRNA for beta-catenin	e-176
1758	X83577	M.musculus mRNA for K-glypican	0
1761	S79539	Pat-12=Pat-12 product [mice, embryonic stem ES cells, mRNA. 2781 nt]	e-176
1773	L38951	Homo sapiens importin beta subunit mRNA, complete cds	1E-78

Table 2A: Nearest Neighbor (BlastN vs. Genbank)

SEQ ID	ACC'N	DESCRIP.	P VALUE
1776	NM_003902.1	Homo sapiens far upstream element binding protein (FUBP) mRNA > :: gb U05040 HSU05040 Human FUSE binding protein mRNA. complete cds.	0
1791	L08783	BlueScribe M13 Plus cloning vector.	0
1809	U86751	Human nucleolar fibrillar center protein (ASE-1) mRNA, complete cds	8E-95
1817	M21188	Human insulin-degrading enzyme (IDE) mRNA. complete cds.	e-134
1831	NM_001614.1	Homo sapiens actin, gamma 1 (ACTG1) mRNA > :: emb X04098 HSACTCGR Human mRNA for cytoskeletal gamma-actin	0.00E+00
1836	U12404	Human Csa-19 mRNA. complete cds.	0
1837	X79236	H.sapiens rps26 gene	e-145
1838	NM_003313.1	Homo sapiens tissue specific transplantation antigen P35B (TSTA3) mRNA > :: gb U58766 HSU58766 Human FX protein mRNA. complete cds	0
1839	M27436	Human tissue factor gene. complete cds, with a Alu repetitive sequence in the 3' untranslated region. > :: gb I05724 Sequence 12 from Patent EP 0278776	e-121
1849	X79067	H.sapiens ERF-1 mRNA 3' end	0
1850	NM_003017.1	Homo sapiens splicing factor, arginine/serine-rich 3 (SFRS3) mRNA > :: gb L10838 HUMSRP20 Homo sapiens SR protein family, pre-mRNA splicing factor (SRp20) mRNA, complete cds.	e-135
1857	U48807	Human MAP kinase phosphatase (MKP-2) mRNA. complete cds	0.00E+00
1858	U48807	Human MAP kinase phosphatase (MKP-2) mRNA. complete cds	0.00E+00
1873	U04817	Human protein kinase PITSLRE alpha 2-3 mRNA. complete cds.	8.00E-53
1876	U18297	Human MST1 (MST1) mRNA. complete cds.	0.00E+00
1877	NM_001859.1	Homo sapiens solute carrier family 31 gb U83460 HSU83460 Human high-affinity copper uptake protein (hCTR1) mRNA. complete cds	0
1889	X70272	single stranded replicative centromeric Saccharomyces cerevisiae /E. coli shuttle vector	3.00E-76
1897	L26050	Human mitochondrial 2,4-dienoyl-CoA reductase mRNA, complete cds.	0.00E+00
1899	X06747	Human hnRNP core protein A1	e-157
1901	M64571	Human microtubule-associated protein 4 mRNA, complete cds.	0.00E+00

Table 2A: Nearest Neighbor (BlastN vs. Genbank)

SEQ ID	ACC'N	DESCRIP.	P VALUE
1908	X65322.1	Cloning vector pCAT-Basic	9.00E-53
1913	NM_002654.1	Homo sapiens pyruvate kinase, muscle (PKM2) mRNA > :: gb M23725 HUMPKM2L Human M2-type pyruvate kinase mRNA, complete cds.	e-159
1916	U49352	Human liver 2,4-dienoyl-CoA reductase mRNA, complete cds	2.00E-71
1926	D31889	Human mRNA for KIAA0072 gene, partial cds > :: gb G27027 G27027 human STS SHGC-31585.	e-167
1941	U43944	Human breast cancer cytosolic NADP(+)-dependent malic enzyme mRNA, partial cds	1.00E-89
1971	U83659	Human multidrug resistance-associated protein homolog (MRP3) mRNA, partial cds	3.00E-85
1996	M33519	Human HLA-B-associated transcript 3 (BAT3) mRNA, complete cds.	3.00E-84
1997	U55387	Cricetulus griseus SL15 mRNA, complete cds	e-150
2018	L36315	Mus musculus (clone pMLZ-1) zinc finger protein	e-162
2025	NM_003902.1	Homo sapiens far upstream element binding protein (FUBP) mRNA > :: gb U05040 HSU05040 Human FUSE binding protein mRNA, complete cds.	e-175
2032	X56932	H.sapiens mRNA for 23 kD highly basic protein	0.00E+00
2039	X98654	H.sapiens mRNA for DRES9 protein	9.00E-97
2050	S62077	HP1Hs alpha=25 kda chromosomal autoantigen [human, mRNA, 876 nt]	4.00E-68
2057	M23619	Human HMG-I protein isoform mRNA (HMG1 gene), clone 6A.	e-117
2077	NM_003217.1	Homo sapiens testis enhanced gene transcript	4E-99
2092	U18671	Human Stat2 gene, complete cds.	0.00E+00
2096	D43636	Human mRNA for KIAA0096 gene, partial cds	0
2098	NM_002734.1	Homo sapiens protein kinase, cAMP-dependent, regulatory, type I, alpha (tissue specific extinguisher 1) (PRKARIA) mRNA > :: gb M33336 HUMCAMPK Human cAMP-dependent protein kinase type I-alpha subunit	0
2099	U72621	Human LOT1 mRNA, complete cds	0.00E+00
2112	NM_003902.1	Homo sapiens far upstream element binding protein (FUBP) mRNA > :: gb U05040 HSU05040 Human FUSE binding protein mRNA, complete cds.	0.00E+00
2118	L41142	Homo sapiens signal transducer and activator of transcription (STAT5) mRNA, complete cds.	0.00E+00
2119	Z48950	H.sapiens hH3.3B gene for histone H3.3	0.00E+00
2153	L09260	Human (chromosome 3p25) membrane protein mRNA.	e-100
2158	X65304.1	Cloning vector pGEM-3Z	e-173

Table 2A: Nearest Neighbor (BlastN vs. Genbank)

SEQ ID	ACC'N	DESCRIP.	P VALUE
2163	NM_003358.1	Homo sapiens UDP-glucose ceramide glucosyltransferase (UGCG) mRNA > :: dbj D50840 HUMCGA Homo sapiens mRNA for ceramide glucosyltransferase, complete cds > :: dbj E12454 E12454 cDNA encoding human ceramide glucosyltransferase	e-141
2179	M95605	Bos taurus S-adenosylmethionine decarboxylase	e-175
2180	M12623	Human non-histone chromosomal protein HMG-17 mRNA, complete cds.	0.00E+00
2181	U79143	Human phosphoinositide 3'-hydroxykinase p110-alpha subunit mRNA, complete cds	0.00E+00
2192	K01906	Human fetal liver c-myc proto-oncogene, exon 3 and flanks.	e-165
2194	X74870	H.sapiens gene for RNA pol II largest subunit, exons 23-29	e-161
2235	L16991	Human thymidylate kinase (CDC8) mRNA, complete cds.	0.00E+00
2257	L08783	BlueScribe M13 Plus cloning vector.	0.00E+00
2276	NM_002245.1	Homo sapiens potassium inwardly-rectifying channel, subfamily K, member 1 (KCNK1) mRNA > :: gb U33632 HSU33632 Human two P-domain K+ channel TWIK-1 mRNA, complete cds.	0
2278	D50734	Rat mRNA of antizyme inhibitor, complete cds	e-157
2279	U26401	Human galactokinase (galK) mRNA, complete cds. >	0.00E+00
2285	U49058	Rattus norvegicus CTD-binding SR-like protein rA4 mRNA, partial cds	e-138
2287	X65306.1	Cloning vector pGEM-3Zf(+)	e-116
2299	NM_001172.1	Homo sapiens arginase, type II (ARG2) mRNA > :: gb U82256 HSU82256 Homo sapiens arginase type II mRNA, complete cds	e-127
2309	M25160	Human Na,K-ATPase beta subunit (ATP1B) gene, exons 3 through 6.	0.00E+00
2315	Y08736	H.sapiens vegf gene, 3'UTR	1.00E-78
2320	U13737	Human cysteine protease CPP32 isoform alpha mRNA, complete cds.	0.00E+00
2323	Y08135	M.musculus mRNA for ASM-like phosphodiesterase 3a	e-148
2324	Y08135	M.musculus mRNA for ASM-like phosphodiesterase 3a	0
2328	NM_001677.1	Homo sapiens ATPase, Na+/K+ transporting, beta 1 polypeptide (ATP1B1) mRNA > :: emb X03747 HSATPBR Human mRNA for Na/K-ATPase beta subunit	1E-77
2337	Y08135	M.musculus mRNA for ASM-like phosphodiesterase 3a	e-168
2364	U54778	Human 14-3-3 epsilon mRNA, complete cds	1E-67
2365	Y08135	M.musculus mRNA for ASM-like phosphodiesterase 3a	0

Table 2A: Nearest Neighbor (BlastN vs. Genbank)

SEQ ID	ACC'N	DESCRIP.	P VALUE
2368	NM_001172.1	Homo sapiens arginase. type II (ARG2) mRNA > :: gb U82256 HSU82256 Homo sapiens arginase type II mRNA. complete cds	e-127
2385	AB002293	Human mRNA for KIAA0295 gene, partial cds	0
2394	M21188	Human insulin-degrading enzyme (IDE) mRNA. complete cds.	2E-81
2425	D87466	Human mRNA for KIAA0276 gene, partial cds	1E-97
2429	U58884	Mus musculus SH3-containing protein SH3P7 mRNA, complete cds. similar to Human Drebrin	4E-96
2441	AB005216	Homo sapiens mRNA for Nck. Ash and phospholipase C gamma binding protein NAP4. partial cds	0
2442	NM_001960.1	Homo sapiens eukaryotic translation elongation factor 1 delta (guanine nucleotide exchange protein) (EEF1D) mRNA > :: emb Z21507 HSEF1DELA H.sapiens EF-1delta gene encoding human elongation factor-1-delta	0.00E+00
2444	M92449	Human LTR mRNA, 3' end of coding region and 3' flank.	e-143
2452	NM_003350.1	Homo sapiens ubiquitin-conjugating enzyme E2 variant 2 (UBE2V2) mRNA > :: emb X98091 HSVITDTR H.sapiens mRNA for protein induced by vitamin D	0
2456	U44975	Homo sapiens DNA-binding protein CPBP (CPBP) mRNA, partial cds	5.00E-69
2459	Z84510	H.sapiens flow-sorted chromosome 6 HindIII fragment, SC6pA28B7	4.00E-66
2463	Z48042	H.sapiens mRNA encoding GPI-anchored protein p137	e-172
2497	U32986	Human xeroderma pigmentosum group E UV-damaged DNA binding factor mRNA. complete cds.	0
2515	NM_003419.1	Homo sapiens zinc finger protein 10 (KOX 1) for zinc finger protein	e-129
2520	Y00711	Human mRNA for lactate dehydrogenase B (LDH-B)	0.00E+00
2526	Y10725	M.musculus mRNA for protein kinase KIS	0.00E+00
2543	X62078	H.sapiens mRNA for GM2 activator protein	e-164
2548	NM_001009.1	Homo sapiens ribosomal protein S5 (RPS5) mRNA complete cds.	0.00E+00
2556	U97188	Homo sapiens putative RNA binding protein KOC	1E-86
2575	NM_002852.1	Homo sapiens pentaxin-related gene, rapidly induced by IL-1 beta (PTX3) mRNA > :: emb X63613 HSPTX3R H.sapiens mRNA for pentaxin (PTX3)	0.00E+00
2578	X67155	H.sapiens mRNA for mitotic kinesin-like protein-1	0.00E+00
2588	M54968	Human K-ras oncogene protein mRNA, complete cds >	e-123
2591	D88687	Homo sapiens mRNA for KM-102-derived reductase-like factor, complete cds	0

Table 2A: Nearest Neighbor (BlastN vs. Genbank)			
SEQ ID	ACC'N	DESCRIP.	P VALUE
2593	NM_001436.1	Homo sapiens fibrillarin (FBL) mRNA > :: gb M59849 HUMFIBAA Human fibrillarin (Hfib1) mRNA, complete cds.	e-103
2595	AB002326	Human mRNA for KIAA0328 gene, partial cds	0.00E+00
2598	M11948	Human promyelocytic leukemia cell mRNA, clones pHH58 and pHH81.	9.00E-84

Table 2B Nearest Neighbor (BlastX vs. Non-Redundant Proteins)

SEQ ID	ACC'N	DESCRIP.	P VALUE
37	4239895	(AB016816) MASL1 [Homo sapiens]	9.00E-54
66	4514653	(AB024057) vascular Rab-GAP/TBC-containing protein [Homo sapiens]	6.00E-55
78	4454524	(AC004841) similar to insulin receptor substrate BAP2; similar to PID:g4126477 [Homo sapiens]	6.00E-22
79	4545264	(AF118240) peroxisomal biogenesis factor 16 [Homo sapiens]	1.00E-45
112	3413938	(AB007963) KIAA0494 protein [Homo sapiens]	3.00E-44
122	4239895	(AB016816) MASL1 [Homo sapiens]	1.00E-47
139	4502371	breast cancer antiestrogen resistance 3 >gi 3237306 (U92715) breast cancer antiestrogen resistance 3 protein [Homo sapiens]	2.00E-44
154	4586880	(AB017114) AD 3 [Homo sapiens]	4.00E-48
157	3327170	(AB014578) KIAA0678 protein [Homo sapiens]	2.00E-51
168	3153241	(AF053004) class I cytokine receptor [Homo sapiens]	2.00E-17
171	4138233	(AJ007780) parp-2 gene [Mus musculus]	2.00E-32
174	3287173	(AJ006266) AND-1 protein [Homo sapiens]	2.00E-42
187	4507145	UNKNOWN >gi 3873216 (AF065485) sorting nexin 4 [Homo sapiens]	8.00E-46
207	4153860	(AC005074) similar to U47321 (PID:g1245146) [Homo sapiens]	4.00E-15
224	3236430	(AF067379) ubiquitin-protein ligase E3-alpha [Mus musculus]	3.00E-35
253	3043696	(AB011158) KIAA0586 protein [Homo sapiens]	1.00E-44
260	4519623	(AB017616) homologous to the yeast YGR163 gene [Mus musculus]	2.00E-54
280	4455035	(AF116238) pseudouridine synthase 1 [Homo sapiens]	4.00E-48
304	3075377	(AC004602) F23487_2 [Homo sapiens]	2.00E-21
306	4505611	poly(A)-specific ribonuclease	7.00E-41
373	1825606	(U88169) similar to molybdopterin biosynthesis MOEB proteins [Caenorhabditis elegans]	2.00E-37
382	4586287	(AB004794) DUF140 [Xenopus laevis]	7.00E-45
396	3941342	(AF043250) mitochondrial outer membrane protein [Homo sapiens] >gi 3941347 (AF043253) mitochondrial outer membrane protein [Homo sapiens] >gi 4105703 gb AAD02504	5.00E-40
414	4586844	(AB015633) type II membrane protein	2.00E-46
422	3327078	(AB014532) KIAA0632 protein [Homo sapiens]	6.00E-36
433	3327230	(AB014608) KIAA0708 protein [Homo sapiens]	5.00E-52
472	3372677	(AF061749) tumorous imaginal discs protein Tid56 homolog	7.00E-35
502	4050034	(AF098482) transcriptional coactivator p52 [Homo sapiens]	1.00E-36

Table 2B Nearest Neighbor (BlastX vs. Non-Redundant Proteins)

SEQ ID	ACC'N	DESCRIP.	P VALUE
504	4406632	(AF131801) Unknown [Homo sapiens]	
512	3114828	(AJ005897) JM5 [Homo sapiens]	3.00E-21
530	3766209	(AF071777) IRE1 [Mus musculus]	3.00E-44
561	3043644	(AB011132) KIAA0560 protein [Homo sapiens]	2.00E-29
572	3088575	(AF059531) protein arginine N-methyltransferase 3 [Homo sapiens]	3.00E-43
578	4505891	UNKNOWN >gi 3153235 (AF046889) lysyl hydroxylase isoform 3 [Homo sapiens] >gi 3551836	4.00E-46
590	3114828	(AJ005897) JM5 [Homo sapiens]	3.00E-30
592	3242214	(AJ006778) DRIM protein [Homo sapiens]	1.00E-24
598	4200236	(AL035308) hypothetical protein [Homo sapiens]	2.00E-36
600	3413892	(AB007934) KIAA0465 protein [Homo sapiens]	8.00E-09
635	3043626	(AB011123) KIAA0551 protein [Homo sapiens]	2.00E-51
643	2498864	RRP5 PROTEIN HOMOLOG (KIAA0185) hypothetical protein YM9959.11C of S.cerevisiae. [Homo sapiens]	3.00E-31
670	3402197	(AJ010014) M96A protein [Homo sapiens]	3.00E-13
677	2217964	(Z50798) p52 [Gallus gallus]	1.00E-21
686	3043626	(AB011123) KIAA0551 protein [Homo sapiens]	7.00E-14
697	135470	TUBULIN BETA-5 CHAIN sapiens]	1.00E-40
701	3327056	(AB014521) KIAA0621 protein [Homo sapiens]	3.00E-21
704	4506787	UNKNOWN GTPASE-ACTIVATING-LIKE PROTEIN IQGAP1 (P195) (KIAA0051) protein - human >gi 473931 dbj BAA06123 (D29640) KIAA0051 [Homo sapiens] >gi 536844 (L33075) ras GTPase-activating-like protein [Homo sapiens]	2.00E-29
709	1350762	60S RIBOSOMAL PROTEIN L6 sapiens]	4.00E-41
713	2687400	(AF035824) vesicle soluble NSF attachment protein receptor [Homo sapiens]	2.00E-22
730	2914385	Chain C, Human Pcna >gi 2914387 pdb 1AXC E Chain E. Human Pcna	1.00E-23
731	284076	ERD-2-like protein, ELP-1 - human	2.00E-27
733	2497524	KINESIN-LIKE PROTEIN KIF1B mouse >gi 407339 dbj BAA04503 (D17577) Kif1b [Mus musculus]	1.00E-26
735	3327056	(AB014521) KIAA0621 protein [Homo sapiens]	9.00E-33
736	279567	insulinase (EC 3.4.99.45) - human	1.00E-13
738	487416	(L20302) actin filament protein [Gallus gallus]	2.00E-26
739	1731428	ZINC FINGER PROTEIN ZFP-38	3.00E-45
740	968973	(U29156) involved in signaling by the epidermal growth factor receptor; Method: conceptual translation supplied by author. [Mus musculus]	7.00E-35
			1.00E-22

Table 2B Nearest Neighbor (BlastX vs. Non-Redundant Proteins)

SEQ ID	ACC'N	DESCRIP.	P VALUE
741	1552350	(Y08135) acid sphingomyelinase-like phosphodiesterase [Mus musculus]	2.00E-35
742	3327098	(AB014542) KIAA0642 protein [Homo sapiens]	3.00E-15
743	3914801	DNA-DIRECTED RNA POLYMERASE I 135 KD POLYPEPTIDE (RNA POLYMERASE I SUBUNIT 2) (RPA135) (RNA POLYMERASE I 127 KD SUBUNIT) >gi 2739048 (AF025424) RNA polymerase I 127 kDa subunit [Rattus norvegicus]	2.00E-45
745	4165018	(D89053) Acyl-CoA synthetase 3 [Homo sapiens]	2.00E-53
746	968973	(U29156) involved in signaling by the epidermal growth factor receptor: Method: conceptual translation supplied by author. [Mus musculus]	3.00E-40
747	4519883	(AB017970) dipeptidyl peptidase III	4.00E-50
748	3327052	(AB014519) KIAA0619 protein [Homo sapiens]	7.00E-30
749	538413	(L36315) zinc finger protein [Mus musculus]	6.00E-55
750	1717793	PROTEIN TSG24 (MEIOTIC CHECK POINT REGULATOR) >gi 1083553 pir A55117 tsg24 protein - mouse	1.00E-50
751	3420277	(AF064826) glypican 4 [Homo sapiens]	3.00E-54
808	4580645	(AF118855) trans-prenyltransferase [Mus musculus]	2.00E-48
829	3882171	(AB018268) KIAA0725 protein [Homo sapiens]	3.00E-24
833	4104976	(AF043117) ubiquitin-fusion degradation protein 2 [Homo sapiens]	2.00E-41
841	3242214	(AJ006778) DRJM protein [Homo sapiens]	4.00E-34
914	4191810	(AB006532) DNA helicase [Homo sapiens]	5.00E-41
959	3043714	(AB011167) KIAA0595 protein [Homo sapiens]	5.00E-20
982	4379097	(Y17999) Dyrk1B protein kinase [Homo sapiens]	3.00E-21
1028	3043712	(AB011166) KIAA0594 protein [Homo sapiens]	2.00E-49
1079	4240227	(AB020676) KIAA0869 protein [Homo sapiens]	4.00E-35
1091	4235226	(AF061025) leucine zipper-EF-hand containing transmembrane protein 1 [Homo sapiens]	6.00E-34
1134	3426268	(AF044201) neural membrane protein 35; NMP35 [Rattus norvegicus]	1.00E-29
1152	4507367	threonyl-tRNA synthetase SYNTHETASE, CYTOPLASMIC (THREONINE--TRNA LIGASE) (THRRS) 6.1.1.3 - human >gi 1464742 (M63180) threonyl-tRNA synthetase [Homo sapiens]	3.00E-26
1153	2072294	(U95097) mitotic phosphoprotein 43 [Xenopus laevis]	1.00E-19
1163	543222	glutamine (Q)-rich factor 1, QRF-1 - mouse factor 1, QRF-1 [mice. B-cell leukemia. BCL1. Peptide Partial, 84 aa]	1.00E-39

Table 2B Nearest Neighbor (BlastX vs. Non-Redundant Proteins)

SEQ ID	ACC'N	DESCRIP.	P VALUE
1164	3335569	(AF072759) fatty acid transport protein 4; FATP4 [Mus musculus]	7.00E-39
1168	2996194	(AF053232) SIK similar protein [Mus musculus]	1.00E-31
1172	2935597	(AC004262) R29368_2 [Homo sapiens]	6.00E-49
1201	2645205	(U63648) p160 myb-binding protein [Mus musculus]	1.00E-21
1204	1407655	(U58884) SH3P7 [Mus musculus]	8.00E-21
1214	2134381	polybromo 1 protein - chicken	8.00E-29
1219	4505613	PRKC, apoptosis, WT1, regulator par-4 [Homo sapiens]	6.00E-34
1229	3757892	(AF079765) enhancer of polycomb [Mus musculus]	3.00E-41
1231	2134436	zinc finger protein - chicken (fragment)	4.00E-37
1232	2393722	(U90313) glutathione-S-transferase homolog [Homo sapiens]	6.00E-34
1234	459002	(U00036) R151.6 gene product [Caenorhabditis elegans]	7.00E-10
1236	119530	PROTEIN DISULFIDE ISOMERASE-RELATED PROTEIN PRECURSOR (ERP72) >gi 87320 pir A23723 protein disulfide-isomerase (EC 5.3.4.1) ERp72 precursor - human protein [Homo sapiens]	3.00E-23
1239	2073541	(L19437) transaldolase [Homo sapiens] >gi 2612879	2.00E-24
1241	984125	(X90857) -14 [Homo sapiens]	2.00E-23
1245	4106818	(AF083395) phospholipase A2-activating protein [Homo sapiens]	4.00E-36
1247	4507955	YY1 transcription factor REPRESSOR PROTEIN YY1 (YIN AND YANG 1) (YY-1) (DELTA TRANSCRIPTION FACTOR) (NF-E1) >gi 38011 emb CAA78455]	4.00E-27
1250	1698779	(U70372) PAM COOH-terminal interactor protein 2 [Rattus norvegicus]	6.00E-35
1252	4204684	(AF102542) beta-1,6-N-acetylglucosaminyltransferase core 2/core 4 beta-1,6-N-acetylglucosaminyltransferase; core 2/4-GnT [Homo sapiens]	9.00E-43
1255	2239126	(Y10746) methyl-CpG binding protein [Homo sapiens]	4.00E-16
1259	1747519	(U76759) nuclear protein NIP45 [Mus musculus]	2.00E-29
1260	545790	DARPP-32=dopamine and cAMP-regulated phosphoprotein [human, brain, Peptide, 204 aa] sapiens]	1.00E-29
1261	1709689	PEPTIDE METHIONINE SULFOXIDE REDUCTASE (PEPTIDE MET(O) REDUCTASE) >gi 1205993 taurus]	1.00E-37
1265	2736151	(AF021935) myotonic dystrophy kinase-related Cdc42-binding kinase [Rattus norvegicus]	1.00E-41
1267	3329392	(AF038961) SL15 protein [Homo sapiens]	8.00E-36
1268	4097712	(U67322) HBV associated factor [Homo sapiens]	7.00E-56

Table 2B Nearest Neighbor (BlastX vs. Non-Redundant Proteins)

SEQ ID	ACC'N	DESCRIP.	P VALUE
1269	585084	ELONGATION FACTOR G, MITOCHONDRIAL PRECURSOR (MEF-G) >gi 543383 pir S40780 translation elongation factor G, mitochondrial - rat >gi 310102	7.00E-49
1270	1438534	(U49057) rA9 [Rattus norvegicus]	3.00E-45
1271	1336628	(U57368) EGF repeat transmembrane protein [Mus musculus]	7.00E-47
1272	3914802	DNA-DIRECTED RNA POLYMERASE I LARGEST SUBUNIT (RNA POLYMERASE I 194 KD SUBUNIT) (RPA194)	1.00E-37
1273	3387977	(AF070598) ABC transporter [Homo sapiens]	5.00E-50
1274	1717793	PROTEIN TSG24 (MEIOTIC CHECK POINT REGULATOR) >gi 1083553 pir A55117 tsg24 protein - mouse	2.00E-48
1275	2493735	SKD3 PROTEIN SKD3 [Mus musculus]	7.00E-43
1276	1041038	(D78020) NFI-A4 [Rattus norvegicus]	3.00E-26
1284	4455118	(AF125158) zinc finger DNA binding protein 99	9.00E-41
1322	4049922	(AF072810) transcription factor WSTF [Homo sapiens]	4.00E-48
1338	4586287	(AB004794) DUF140 [Xenopus laevis]	3.00E-45
1345	3435244	(AF083322) centriole associated protein CEP110 [Homo sapiens]	2.00E-40
1370	3413886	(AB007931) KIAA0462 protein [Homo sapiens]	2.00E-35
1462	3882311	(AB018338) KIAA0795 protein [Homo sapiens]	4.00E-47
1497	4240167	(AB020646) KIAA0839 protein [Homo sapiens]	2.00E-46
1517	4191610	(AF117107) IGF-II mRNA-binding protein 2 [Homo sapiens]	3.00E-49
1519	3135669	(AF064084) prenylcysteine carboxyl methyltransferase	1.00E-39
1529	3043548	(AB011084) KIAA0512 protein [Homo sapiens]	2.00E-47
1531	3093476	(AF008915) EVI-5 homolog [Homo sapiens]	6.00E-19
1532	3834629	(AF094519) diaphanous-related formin; p134 mDia2 [Mus musculus]	1.00E-32
1533	3193226	(AF068706) gamma2-adaptin [Homo sapiens]	1.00E-46
1534	3851584	(AF092563) chromosome-associated protein-E [Homo sapiens]	4.00E-48
1535	4101695	(AF006010) progesterin induced protein [Homo sapiens]	5.00E-30
1550	3850704	(AJ005273) Kin17 [Homo sapiens]	9.00E-24
1553	4240147	(AB020636) KIAA0829 protein [Homo sapiens]	9.00E-41
1554	2137490	lymphocyte specific helicase - mouse musculus]	5.00E-35
1561	3327052	(AB014519) KIAA0619 protein [Homo sapiens]	1.00E-41
1563	2137494	M-sema F protein precursor - mouse F [mice, neonatal brain, Peptide, 834 aa] [Mus sp.]	7.00E-34

Table 2B Nearest Neighbor (BlastX vs. Non-Redundant Proteins)

SEQ ID	ACC'N	DESCRIP.	P VALUE
1564	2137603	nuclear receptor co-repressor N-CoR - mouse musculus] >gi 1583865 prf 2121436A thyroid hormone receptor co-repressor [Mus musculus]	9.00E-41
1565	2674107	(AF023451) guanine nucleotide-exchange protein [Bos taurus]	3.00E-48
1587	3659505	(AC005084) similar to mouse mCASK-A: similar to e1288039	1.00E-57
1649	114762	NUCLEOPHOSMIN (NPM) (NUCLEOLAR PHOSPHOPROTEIN B23) (NUMATRIN) (NUCLEOLAR PROTEIN NO38) sapiens]	6.00E-35
1651	3327056	(AB014521) KIAA0621 protein [Homo sapiens]	8.00E-40
1688	4545264	(AF118240) peroxisomal biogenesis factor 16 [Homo sapiens]	2.00E-65
1694	2498864	RRP5 PROTEIN HOMOLOG (KIAA0185) hypothetical protein YM9959.11C of S.cerevisiae. [Homo sapiens]	7.00E-77
1758	3420277	(AF064826) glypican 4 [Homo sapiens]	4.00E-76
1768	3088575	(AF059531) protein arginine N-methyltransferase 3 [Homo sapiens]	7.00E-97
1771	4050034	(AF098482) transcriptional coactivator p52 [Homo sapiens]	2.00E-58
1811	4506357	UNKNOWN: PZR >gi 3851145 sapiens]	2.00E-60
1830	3387977	(AF070598) ABC transporter [Homo sapiens]	e-113
1836	1709974	60S RIBOSOMAL PROTEIN L10A protein L10a [Rattus norvegicus] Ribosomal Protein RPL10A) [Homo sapiens]	e-111
1838	4507709	tissue specific transplantation antigen P35B >gi 1381179 (U58766) FX [Homo sapiens]	9.00E-90
1876	1117791	(U18297) MST1 [Homo sapiens]	4E-85
1877	4507015	copper transporter 1	3.00E-72
1897	4503301	2,4-dienoyl CoA reductase REDUCTASE, MITOCHONDRIAL PRECURSOR (2,4-DIENOYL-COA REDUCTASE (NADPH)) (4-ENOYL-COA REDUCTASE (NADPH)) precursor. mitochondrial - human >gi 602703 (L26050) 2,4-dienoyl-CoA reductase [Homo sapiens] >gi 2673979 precursor [Homo sapiens] >gi 4126313 (AF049895) 2,4-dienoyl-CoA reductase [Homo sapiens]	6E-94
1901	126743	MICROTUBULE-ASSOCIATED PROTEIN 4 human >gi 187383 (M64571) microtubule-associated protein 4 [Homo sapiens]	6E-84
1914	4505987	PTPRF interacting protein, binding protein 1 (liprin beta 1) >gi 3309539 (AF034802) liprin-beta1 [Homo sapiens]	4E-89
1920	3043644	(AB011132) KIAA0560 protein [Homo sapiens]	e-108

Table 2B Nearest Neighbor (BlastX vs. Non-Redundant Proteins)

SEQ ID	ACC'N	DESCRIP.	P VALUE
1944	3413892	(AB007934) KIAA0465 protein [Homo sapiens]	7.00E-87
1956	4185796	(AF103796) placenta-specific ATP-binding cassette transporter [Homo sapiens]	2E-68
1973	4507145	UNKNOWN >gi 3873216 (AF065485) sorting nexin 4 [Homo sapiens]	1.00E-73
2008	1083566	zinc finger protein/transactivator Zfp-38 - mouse >gi 55477 [emb] CAA45280 (X63747) Zfp-38 [Mus musculus]	2E-64
2018	1806134	(Z67747) zinc finger protein [Mus musculus]	7.00E-78
2032	730451	60S RIBOSOMAL PROTEIN L13A (23 KD HIGHLY BASIC PROTEIN) >gi 345897 pir S29539 basic protein. 23K - human >gi 23691 emb CAA40254 (X56932) 23 kD highly basic protein [Homo sapiens]	4.00E-87
2285	4102967	(AF023142) pre-mRNA splicing SR protein rA4 [Homo sapiens]	1.00E-33
2317	3108093	(AF061258) LIM protein [Homo sapiens]	6.00E-82
2318	3170887	(AF061555) ubiquitin-protein ligase E3-alpha [Mus musculus]	e-104
2324	1552350	(Y08135) acid sphingomyelinase-like phosphodiesterase [Mus musculus]	6.00E-91
2365	1552350	(Y08135) acid sphingomyelinase-like phosphodiesterase [Mus musculus]	e-106
2366	3242214	(AJ006778) DRIM protein [Homo sapiens]	e-114
2387	4514653	(AB024057) vascular Rab-GAP/TBC-containing protein [Homo sapiens]	e-121
2441	2443367	(AB005216) Nck, Ash and phospholipase C gamma-binding protein NAP4 [Homo sapiens]	e-120
2475	119110	EBNA-1 NUCLEAR PROTEIN herpesvirus 4 (strain B95-8) >gi 1334880 emb CAA24816.1 gene. [Human herpesvirus 4]	2.00E-38
2479	121640	GLYCINE-RICH CELL WALL STRUCTURAL PROTEIN PRECURSOR >gi 72320 pir KNMU glycine-rich cell wall protein precursor - Arabidopsis thaliana	8.00E-31
2495	1362077	glycin-rich protein - cowpea (fragment)	2E-40
2519	121640	GLYCINE-RICH CELL WALL STRUCTURAL PROTEIN PRECURSOR >gi 72320 pir KNMU glycine-rich cell wall protein precursor - Arabidopsis thaliana	9.00E-27
2546	2674107	(AF023451) guanine nucleotide-exchange protein [Bos taurus]	5E-89
2548	3717978	(Y12431) 5S ribosomal protein [Mus musculus]	5E-94
2556	4191610	(AF117107) IGF-II mRNA-binding protein 2 [Homo sapiens]	e-111

Table 2B Nearest Neighbor (BlastX vs. Non-Redundant Proteins)			
SEQ ID	ACCN	DESCRIP.	P VALUE
2578	2119281	CHO1 antigen - Chinese hamster	e-101
2579	3435244	(AF083322) centriole associated protein CEP110 [Homo sapiens]	2E-70
2591	1843434	(D88687) KM-102-derived reductase-like factor [Homo sapiens]	4.00E-91
2604	3834629	(AF094519) diaphanous-related formin: p134 mDia2 [Mus musculus]	1E-49

Table 3A Profile Hits

SEQ ID NO:	Description	Start	Stop	Dir
1967	14_3_3 proteins	166	845	for
2366	3'S'-cyclic nucleotide phosphodiesterases	64	573	for
1579	4 transmembrane integral membrane proteins	300	924	rev
1978	4 transmembrane integral membrane proteins	340	941	rev
1652	7 transmembrane receptor (rhodopsin family)	109	647	rev
1927	7 transmembrane receptor (rhodopsin family)	84	947	rev
2068	7 transmembrane receptor (rhodopsin family)	305	975	for
1598	7 transmembrane receptor (Secretin family)	50	1269	for
1719	7 transmembrane receptor (Secretin family)	63	1160	rev
1911	7 transmembrane receptor (Secretin family)	38	869	rev
1927	7 transmembrane receptor (Secretin family)	237	930	rev
2068	7 transmembrane receptor (Secretin family)	188	975	for
2341	7 transmembrane receptor (Secretin family)	377	1524	rev
1671	ATPases Associated with Various Cellular Activities	136	718	for
1672	ATPases Associated with Various Cellular Activities	271	765	for
1688	ATPases Associated with Various Cellular Activities	206	709	rev
1796	ATPases Associated with Various Cellular Activities	139	783	for
1830	ATPases Associated with Various Cellular Activities	265	713	for
1872	ATPases Associated with Various Cellular Activities	152	616	rev
1913	ATPases Associated with Various Cellular Activities	12	510	for
1922	ATPases Associated with Various Cellular Activities	125	658	for
1964	ATPases Associated with Various Cellular Activities	97	752	for
1997	ATPases Associated with Various Cellular Activities	185	664	for
2032	ATPases Associated with Various Cellular Activities	69	485	for
2170	ATPases Associated with Various Cellular Activities	73	550	for
2177	ATPases Associated with Various Cellular Activities	340	928	for

SEQ ID NO:	Description	Start	Stop	Dir
2290	ATPases Associated with Various Cellular Activities	872	1390	rev
2343	ATPases Associated with Various Cellular Activities	122	635	for
2358	ATPases Associated with Various Cellular Activities	84	492	rev
2390	ATPases Associated with Various Cellular Activities	31	434	rev
2414	ATPases Associated with Various Cellular Activities	953	1358	rev
2461	ATPases Associated with Various Cellular Activities	192	690	rev
2476	ATPases Associated with Various Cellular Activities	51	593	for
2482	ATPases Associated with Various Cellular Activities	135	615	rev
2578	ATPases Associated with Various Cellular Activities	0	673	for
1623	Basic region plus leucine zipper transcription factors	81	277	for
1715	C2 domain (prot. kinase C like)	403	582	for
2426	C2 domain (prot. kinase C like)	493	637	for
2238	Cysteine proteases	359	984	rev
1630	DEAD and DEAH box helicases	34	690	rev
1865	DEAD and DEAH box helicases	43	753	for
2517	DEAD and DEAH box helicases	426	719	for
1714	Dual specificity phosphatase, catalytic domain	365	696	rev
1728	Dual specificity phosphatase, catalytic domain	243	597	for
2087	Dual specificity phosphatase, catalytic domain	786	1566	for
1595	EF-hand	556	630	for
1671	Eukaryotic aspartyl proteases	116	763	for
1778	Eukaryotic aspartyl proteases	92	1008	rev
1903	Eukaryotic aspartyl proteases	73	603	rev
1945	Eukaryotic aspartyl proteases	147	694	rev
1963	Eukaryotic aspartyl proteases	38	740	rev
1991	Eukaryotic aspartyl proteases	404	1113	rev
2130	Eukaryotic aspartyl proteases	237	829	rev
2138	Eukaryotic aspartyl proteases	117	729	rev
2193	Eukaryotic aspartyl proteases	217	1397	rev
2290	Eukaryotic aspartyl proteases	413	1366	rev
2291	Eukaryotic aspartyl proteases	8	710	rev

SEQ ID NO:	Description	Start	Stop	Dir
2348	Eukaryotic aspartyl proteases	291	1146	rev
2430	Eukaryotic aspartyl proteases	216	1158	rev
2496	Eukaryotic aspartyl proteases	228	659	for
2523	Eukaryotic aspartyl proteases	276	1291	rev
2589	Eukaryotic aspartyl proteases	525	1431	for
1968	Fibronectin type II domain	455	565	rev
1779	G-protein alpha subunit	24	583	rev
1621	Helicases conserved C-terminal domain	160	309	for
1652	Helicases conserved C-terminal domain	363	560	rev
2192	Helix-loop-helix DNA binding domain	224	382	for
2181	kinase domain of tors	474	713	for
1825	mkk like kinases	17	626	rev
1876	mkk like kinases	35	719	for
2039	mkk like kinases	114	527	for
2526	mkk like kinases	9	463	for
1782	Neurotransmitter-gated ion-channel	267	1411	for
1922	Neurotransmitter-gated ion-channel	367	1168	for
2068	Neurotransmitter-gated ion-channel	222	1024	for
2102	Neurotransmitter-gated ion-channel	352	1273	for
2154	Neurotransmitter-gated ion-channel	377	1159	for
2538	Neurotransmitter-gated ion-channel	112	1120	for
1621	protein kinase	153	743	for
1630	protein kinase	123	904	for
1705	protein kinase	471	1072	for
1706	protein kinase	190	609	for
1710	protein kinase	235	641	for
1744	protein kinase	8	711	rev
1767	protein kinase	90	537	for
1776	protein kinase	200	524	rev
1782	protein kinase	706	1331	for
1822	protein kinase	24	666	for
1825	protein kinase	56	593	rev
1844	protein kinase	263	824	for
1850	protein kinase	217	779	for
1876	protein kinase	290	711	for
1977	protein kinase	38	776	for
2051	protein kinase	14	657	for
2112	protein kinase	202	644	rev
2169	protein kinase	1	656	for
2205	protein kinase	57	689	for
2242	protein kinase	33	646	for

SEQ ID NO:	Description	Start	Stop	Dir
2291	protein kinase	630	1148	rev
2454	protein kinase	49	761	rev
2526	protein kinase	0	463	for
2558	protein kinase	77	590	for
1719	Protein Tyrosine Phosphatase	82	482	rev
1769	Protein Tyrosine Phosphatase	71	461	rev
2062	Protein Tyrosine Phosphatase	270	704	for
2197	Protein Tyrosine Phosphatase	359	851	for
2275	Protein Tyrosine Phosphatase	56	680	for
1850	RNA recognition motif. (aka RRM, RBD, or RNP domain)	165	365	for
2194	RNA recognition motif. (aka RRM, RBD, or RNP domain)	37	174	for
2441	SH2 Domain	201	362	for
1618	Thioredoxins	253	554	for
1579	Trypsin	252	1007	rev
2290	Trypsin	350	1164	rev
2341	Trypsin	447	1211	rev
2421	Trypsin	14	765	rev
2430	Trypsin	700	1556	rev
2438	Trypsin	47	670	rev
2281	WD domain, G-beta repeats	70	161	for
1579	wnt family of developmental signaling proteins	282	1017	rev
1653	wnt family of developmental signaling proteins	154	978	rev
1778	wnt family of developmental signaling proteins	38	858	rev
1826	wnt family of developmental signaling proteins	574	1318	rev
1875	wnt family of developmental signaling proteins	578	1313	rev
1904	wnt family of developmental signaling proteins	205	1068	rev
1992	wnt family of developmental signaling proteins	2	824	rev
2004	wnt family of developmental signaling proteins	621	1420	rev
2129	wnt family of developmental signaling proteins	394	1343	rev
2145	wnt family of developmental signaling proteins	162	1027	rev
2204	wnt family of developmental signaling proteins	274	1405	rev
2238	wnt family of developmental signaling proteins	560	1195	rev
2290	wnt family of developmental signaling proteins	250	1273	rev
2291	wnt family of developmental signaling proteins	523	1409	rev
2294	wnt family of developmental signaling proteins	297	1237	rev
2341	wnt family of developmental signaling proteins	51	1002	rev
2343	wnt family of developmental signaling proteins	28	1180	rev
2348	wnt family of developmental signaling proteins	638	1614	rev
2373	wnt family of developmental signaling proteins	30	1078	rev

SEQ ID NO:	Description	Start	Stop	Dir
2409	wnt family of developmental signaling proteins	4	1074	rev
2410	wnt family of developmental signaling proteins	208	1107	rev
2414	wnt family of developmental signaling proteins	242	1068	rev
2421	wnt family of developmental signaling proteins	159	1057	rev
2430	wnt family of developmental signaling proteins	844	1691	rev
2436	wnt family of developmental signaling proteins	107	784	rev
2438	wnt family of developmental signaling proteins	127	1226	rev
2463	wnt family of developmental signaling proteins	5	704	rev
2473	wnt family of developmental signaling proteins	328	1193	rev
2511	wnt family of developmental signaling proteins	341	1222	rev
2523	wnt family of developmental signaling proteins	820	1617	rev
2528	wnt family of developmental signaling proteins	461	1283	rev
1735	Zinc finger, C2H2 type	495	557	for
1942	Zinc finger, C2H2 type	500	562	for
2018	Zinc finger, C2H2 type	279	341	for
2254	Zinc finger, C2H2 type	148	210	for
2515	Zinc finger, C2H2 type	422	484	for

Table 3B Profile Hits for Contigs

SEQ ID NO:	Description	Start	Stop	Dir
2641	ATPases Associated with Various Cellular Activities	118	661	for
2655	ATPases Associated with Various Cellular Activities	135	536	for
2685	ATPases Associated with Various Cellular Activities	142	574	for
2648	DEAD and DEAH box helicases	66	931	rev
2686	Helicases conserved C-terminal domain	51	242	for
2661	Neurotransmitter-gated ion-channel	169	738	rev
2640	Protein phosphatase 2A regulatory subunit PR55	275	1510	for
2655	Protein phosphatase 2A regulatory subunit PR55	55	1087	for
2670	Protein phosphatase 2A regulatory subunit PR55	13	1183	for
2684	Protein phosphatase 2A regulatory subunit PR55	511	1861	rev
2679	Protein Tyrosine Phosphatase	292	768	for
2668	Thioredoxins	182	475	for

Table 22 Deposits of Pooled Clones

ES34	ES35	ES36	ES37
M00006992C:G02	M00005468A:D08	M00005452C:A02	M00022171D:B08
M00006756D:E10	M00021892B:H03	M00001382C:C09	M00008061A:F02
M00003984C:F04	M00001390A:C06	M00004841C:B09	M00003820C:A09
M00007125D:E03	M00022074D:F11	M00001441D:H05	M00022109B:A11
M00006650A:A10	M00005460B:D02	M00022716D:D08	M00005342D:F03
M00001452B:H06	M00022423B:D03	M00022828C:E04	M00022070B:C10
M00022972D:C10	M00007140A:F11	M00004350B:F06	M00006966B:B09
M00022305C:A01	M00004081B:C11	M00005685B:D08	M00022381C:C12
M00007010B:H01	M00005480A:H12	M00004190A:A09	M00003991B:B05
M00021946D:C11	M00008015D:E09	M00004054D:D02	M00022404D:G05

ES38	ES39	ES40	ES41
M00021912B:H11	M00007118B:B04	M00006993B:B09	M00007974B:C11
M00005378C:A10	M00007019A:B01	M00004242C:C01	M00021860B:G06
M00022578C:B07	M00021682B:D12	M00007986C:C05	M00006927C:F12
M00005513A:D08	M00005411D:A03	M00004115A:G09	M00022582C:E12
M00022176C:A08	M00006641C:H02	M00022600C:A06	M00006618C:G08
M00006822D:F07	M00007041B:C05	M00005384A:A01	M00005450B:B01
M00004031A:B04	M00005444B:E11	M00021667D:E03	M00001417B:E01
M00021927D:D12	M00022745B:G02	M00008078C:C06	M00003825B:A05
M00001553D:B06	M00022685A:F11	M00007985A:B09	M00001370B:B04
M00022404B:H05	M00004446A:G01	M00007953B:B03	M00006727B:E09

ES42	ES43	ES44	ES45
M00001478A:B06	M00006923B:H08	M00006615B:F05	M00005468D:F04
M00003972B:A11	M00005377D:F11	M00005486C:B03	M00006720C:C11
M00005477C:D08	M00006640B:H09	M00007124C:A11	M00005817D:E12
M00006745A:A01	M00005404C:F02	M00006995D:A03	M00001669B:A03
M00007090B:A02	M00004030A:G12	M00007149D:G06	M00003998A:G12
M00007152A:B04	M00006704D:D03	M00006990D:D06	M00004045A:B12
M00006953B:H10	M00006810D:A05	M00005530B:E04	M00004130D:E04
M00005399D:B02	M00005481C:A05	M00003918C:E07	M00004160A:D07
M00006987B:F04	M00005411A:C07	M00007163A:B10	M00001655A:F07
M00005772A:F03	M00003970A:G10	M00005485C:A03	M00001468D:D11

ES46
M00004217A:A05
M00004183D:B07
M00001415D:A05
M00004158C:F03
M00004031D:G02

Table 23. Library Deposits			
ES47	ES48	ES49	ES50
M00001399D:F09	M00004217D:G10	M00004508A:G12	M00021653A:G07
M00001455A:C03	M00004218C:G10	M00004508B:G02	M00021654C:A02
M00001456C:F02	M00004252D:H08	M00001432B:H08	M00021660C:G04
M00001487D:G03	M00004253B:A10	M00001432C:G01	M00021665A:D04
M00001539B:B01	M00004253B:F06	M00003992D:G01	M00021670B:G11
M00001565A:A02	M00004253C:E10	M00005326B:F03	M00021678A:B08
M00001572C:E07	M00004260A:B07	M00005332A:H10	M00021680B:C01
M00001582D:B10	M00004260C:A12	M00005342A:C04	M00021681C:B10
M00001584C:A03	M00004260C:E10	M00005342A:D04	M00021690D:E05
M00001586A:F09	M00001339B:A03	M00005349B:G01	M00021692A:E03
M00001588D:H08	M00001342C:A04	M00005352B:D02	M00021692C:E06
M00001610B:A01	M00001344D:G11	M00005354C:E02	M00021694B:A07
M00001618B:F02	M00001345A:A12	M00005356A:D09	M00021698B:B12
M00001618C:E06	M00001347A:G06	M00005359D:G07	M00021828A:C08
M00001621C:A04	M00001347B:H01	M00005378A:A08	M00021841C:D07
M00001626B:H05	M00001353B:D11	M00005383D:D06	M00021859A:D04
M00001641B:G05	M00001355B:A01	M00005383D:E07	M00021861C:A02
M00001648C:F06	M00001358D:D09	M00005385C:G05	M00021862A:A04
M00001649D:H05	M00001359A:B07	M00005388D:F09	M00021862D:F01
M00001656D:F11	M00001362A:C10	M00005390B:G10	M00021886D:E04
M00001660A:F10	M00001362B:A09	M00005397C:B03	M00021897B:A06
M00001669A:H11	M00001365D:D12	M00005399A:D01	M00021905A:G05
M00003741A:E01	M00001365D:H09	M00005409D:C02	M00021905B:A01
M00003745C:E03	M00001370A:G09	M00005415C:G08	M00021906C:G11
M00003746A:E01	M00001370B:B12	M00005417A:E10	M00021910A:C10
M00003748B:B06	M00001374D:D09	M00005442D:C05	M00021927A:C11
M00003749B:C08	M00001376B:C11	M00005446A:G01	M00021927B:F01
M00003749D:G07	M00001377A:D03	M00005446C:D12	M00021932C:C05
M00003752A:B06	M00001377A:E01	M00005454C:H12	M00021932C:G10
M00003752D:D09	M00001377C:B08	M00005455A:D01	M00021947A:C01
M00003753C:B01	M00001387A:A04	M00005455A:G03	M00021952B:F11
M00003754C:F01	M00001387D:C07	M00005462C:B02	M00021954A:A03
M00003756C:C08	M00001389B:B06	M00005469D:C11	M00021964A:C04
M00003759A:E10	M00001390A:H01	M00005480C:B12	M00021967D:E08
M00003762A:D11	M00001399C:E10	M00005483D:A12	M00021977D:E02
M00003763B:D03	M00001401D:D04	M00005484A:D09	M00021978A:F08
M00003763D:F06	M00001402D:C07	M00005491B:C03	M00021982C:F08
M00003765D:E02	M00001402D:H03	M00005493B:C08	M00021983B:B03
M00003766B:G04	M00001403B:A01	M00005494D:F11	M00021983D:B10
M00003767C:F04	M00001405D:F05	M00005496C:A01	M00022005C:G03
M00003769B:A04	M00001406C:A11	M00005496D:A10	M00022032A:E07
M00003769D:G12	M00001406D:H01	M00005497B:H07	M00022049A:A02
M00003770D:C07	M00001407B:A08	M00005497C:C07	M00022049A:D06

ES47	ES48	ES49	ES50
M00003771A:G09	M00001407D:H11	M00005497C:C12	M00022054D:C05
M00003771D:A10	M00001411A:D01	M00005497C:E03	M00022064C:H07
M00003773A:C09	M00001411C:G02	M00005498B:F08	M00022067D:C05
M00003773B:E09	M00001412A:A11	M00005498C:G05	M00022068B:H11
M00003773B:G08	M00001415D:E12	M00005508B:B04	M00022068D:D12
M00003773C:G06	M00001417C:E02	M00005524C:B01	M00022069D:G02
M00003773D:C02	M00001421A:H07	M00005528D:A10	M00022071B:D05
M00003789C:E03	M00001422D:D02	M00005530B:D03	M00022071C:D09
M00003790B:F12	M00001423C:D06	M00005534B:H10	M00022075D:F05
M00003793C:D11	M00001424A:H09	M00005548B:E03	M00022081C:G11
M00003796B:C07	M00001425C:E10	M00005550B:D09	M00022084B:F04
M00003797D:H06	M00001426A:F09	M00005565C:A08	M00022085C:C04
M00003801D:F05	M00001426D:D09	M00005589C:B03	M00022090A:G08
M00003805A:G05	M00001431A:C10	M00005616B:D05	M00022093A:A05
M00003808C:D09	M00001431A:E05	M00005620C:C05	M00022093D:B10
M00003809A:A12	M00001432A:F12	M00005621A:G10	M00022094B:G10
M00003809A:H12	M00001432B:H08	M00005621D:F01	M00022106C:F04
M00003813D:A06	M00001432C:G01	M00005631A:A11	M00022110A:E04
M00003818A:F09	M00001433A:C07	M00005632C:D06	M00022114C:B02
M00003818B:A01	M00001434A:A01	M00005637B:D12	M00022117C:G07
M00003819D:G09	M00001435A:F03	M00005642B:C03	M00022128A:D04
M00003821C:E04	M00001435A:G01	M00005647D:D09	M00022139A:C01
M00003822A:G05	M00001435B:G10	M00005655B:C02	M00022149B:D05
M00003825C:B02	M00001435C:G08	M00005703A:C08	M00022150A:H06
M00003825C:B12	M00001435D:A06	M00005704A:B11	M00022153D:D11
M00003833B:A11	M00001436D:C10	M00005708D:B03	M00022157A:F12
M00003834A:A03	M00001437B:B05	M00005710A:C08	M00022157B:A10
M00003835D:H05	M00001438C:H05	M00005720A:D03	M00022169D:C02
M00003839D:G06	M00001439B:F10	M00005722D:G03	M00022170D:H09
M00003841A:E09	M00001439C:A01	M00005743B:F02	M00022175A:A11
M00003841B:D05	M00001439C:G06	M00005763B:H09	M00022176A:E08
M00003843A:B01	M00001442A:D08	M00005765C:C04	M00022178D:H01
M00003844C:D04	M00001443D:A01	M00005810C:D04	M00022183A:G03
M00003844C:H05	M00001444A:A09	M00005813D:F06	M00022189A:A01
M00003846B:H02	M00001446D:B10	M00005818C:E08	M00022198A:C12
M00003850B:D11	M00001452D:E05	M00005818C:G01	M00022199C:F03
M00003852D:D03	M00001453D:F09	M00006576D:F11	M00022202C:F11
M00003859C:B09	M00001463C:A01	M00006577B:H12	M00022206B:G06
M00003868D:F02	M00001466C:F02	M00006587A:H08	M00022212C:C02
M00003868D:F07	M00001471C:G03	M00006594A:E08	M00022216D:C01
M00003871A:E09	M00001488B:G12	M00006596D:H04	M00022218C:B06
M00003884D:A12	M00001489B:F08	M00006601C:A07	M00022218D:B12
M00003887B:C03	M00001489D:C08	M00006601C:E06	M00022220C:F08
M00003888B:A10	M00001490B:G04	M00006609A:G10	M00022221D:E08

ES47	ES48	ES49	ES50
M00003888C:E01	M00001491C:C01	M00006633C:E11	M00022226C:B06
M00003890B:H07	M00001496A:B03	M00006633D:A06	M00022226D:A07
M00003890D:C03	M00001496D:D02	M00006634B:C02	M00022231A:F12
M00003892D:D04	M00001500A:D09	M00006636A:B08	M00022231C:A04
M00003893C:D12	M00001504D:D09	M00006644A:B11	M00022236D:A03
M00003895D:A03	M00001505A:E09	M00006644D:C02	M00022239A:A10
M00003896B:F08	M00001506A:F01	M00006686A:G12	M00022239B:B07
M00003896D:B01	M00001517D:C03	M00006692B:E04	M00022239D:A07
M00003903C:H03	M00001518D:A10	M00006728D:G10	M00022252C:E06
M00003905C:B01	M00001536B:B11	M00006733D:G12	M00022253B:E06
M00003905C:E10	M00001537B:C12	M00006734A:H12	M00022254C:D08
M00003906C:H12	M00001542C:D10	M00006735A:H02	M00022255A:C08
M00003909D:G01	M00001542C:F06	M00006764B:D05	M00022255D:E03
M00003911C:G05	M00001543A:E04	M00006765B:H06	M00022258C:F06
M00003912B:G11	M00001546B:H01	M00006785B:F09	M00022259B:G02
M00003912C:C11	M00001551D:C12	M00006791B:B08	M00022278C:E03
M00003914C:E03	M00001552B:D01	M00006796A:C03	M00022278D:F10
M00003915A:D09	M00001556D:A11	M00006800C:G08	M00022288C:D04
M00003915C:G01	M00001557C:B08	M00006814A:F07	M00022289A:D05
M00003920B:A10	M00001558B:A12	M00006819A:D10	M00022289D:B06
M00003921D:C06	M00001560C:C01	M00006820A:G05	M00022294A:D11
M00003923A:H07	M00001561B:C10	M00006821C:C10	M00022296B:C11
M00003936C:F10	M00001597C:B03	M00006822A:D07	M00022305A:H11
M00003948B:B03	M00001623B:B01	M00006823D:D12	M00022364C:G12
M00003949B:A08	M00001623D:A09	M00006826B:H03	M00022366B:E09
M00003949B:D05	M00001644D:F09	M00006828D:C12	M00022372B:D03
M00003961B:A12	M00003784C:B09	M00006832D:F11	M00022381A:F05
M00003961C:G02	M00003785D:E01	M00006846A:B01	M00022382D:H11
M00003962B:B09	M00003862C:H10	M00006850C:D09	M00022386A:A07
M00003963B:D12	M00003864B:A04	M00006850C:G07	M00022386B:D11
M00003973A:C05	M00003864D:G05	M00006851C:H09	M00022386C:A04
M00003973B:H06	M00003992C:G01	M00006863B:E06	M00022386C:D07
M00003976D:D12	M00003992D:G01	M00006866C:F03	M00022399C:A10
M00003977C:A08	M00003994C:C11	M00006867C:E07	M00022407C:H11
M00003980B:F12	M00003996D:C04	M00006868D:E02	M00022411D:G09
M00003980C:G10	M00003997D:D07	M00006870C:H06	M00022412A:C08
M00003981C:E04	M00003998A:D03	M00006873B:G11	M00022444A:A11
M00003983C:E07	M00003998C:H10	M00006875A:A02	M00022449C:B01
M00003987D:F06	M00003999C:C12	M00006877B:E05	M00022452C:B03
M00004027A:B10	M00004046A:F04	M00006879A:H11	M00022457C:B01
M00004027C:H01	M00004051C:D02	M00006882A:D01	M00022495C:G05
M00004028C:B04	M00004052C:A08	M00006901D:A11	M00022504B:E03
M00004030B:B02	M00004052C:B05	M00006907C:D03	M00022505D:A12
M00004030B:C05	M00004054B:G02	M00006907D:C07	M00022509D:F06

ES47	ES48	ES49	ES50
M00004035D:E04	M00004054D:A03	M00006912B:E01	M00022527A:E05
M00004036B:F09	M00004055B:F06	M00006921B:E01	M00022527D:B03
M00004036C:D01	M00004058B:C11	M00006960D:E06	M00022531B:D07
M00004037A:A07	M00004058C:E08	M00006963A:H11	M00022535D:B11
M00004037B:B05	M00004059A:G09	M00006966C:B07	M00022535D:C04
M00004038C:C05	M00004060C:A02	M00006972A:F10	M00022536B:B04
M00004038C:D12	M00004060D:A07	M00006973C:E11	M00022551A:G03
M00004039D:D03	M00004063C:B11	M00006973D:E11	M00022556B:C04
M00004040B:B09	M00004143A:G12	M00006974B:F06	M00022556B:G02
M00004040C:G12	M00004143A:H07	M00006976C:E09	M00022562C:H10
M00004040D:B05	M00004145C:A03	M00007014C:B07	M00022578B:G05
M00004041B:F01	M00004146D:A07	M00007015C:G05	M00022578D:F03
M00004041D:E06	M00004147A:G03	M00007016C:E06	M00022583B:E05
M00004043D:C10	M00004149B:H12	M00007041B:G01	M00022587C:G04
M00004069D:G02	M00004153D:E06	M00007042A:E07	M00022594B:H12
M00004071A:H03	M00004154D:F11	M00007043A:B05	M00022598A:F11
M00004073D:B11	M00004159D:C04	M00007046A:D02	M00022599D:E07
M00004076D:B03	M00004166B:E10	M00007047B:D01	M00022604B:C11
M00004081C:A01	M00004166C:A03	M00007051D:D09	M00022607B:A04
M00004084C:G04	M00004166D:G07	M00007053B:H03	M00022613D:C04
M00004085B:G06	M00004196C:G05	M00007058A:C02	M00022651D:C06
M00004087C:F05	M00004234B:E03	M00007062A:D03	M00022666C:H11
M00004091A:E01	M00004234B:G06	M00007099A:F09	M00022681C:H02
M00004091B:C12	M00004236D:E07	M00007100C:D01	M00022682A:F12
M00004091B:G04	M00004236D:F04	M00007112B:C06	M00022698C:E06
M00004091C:F04	M00004240D:A07	M00007105D:C07	M00022701B:B12
M00004091D:D09	M00004242C:C02	M00007121A:A05	M00022708A:C08
M00004092A:C03	M00004244B:A02	M00007122A:G11	M00022708D:G10
M00004092A:D04	M00004245A:G09	M00007122B:A11	M00022725C:E09
M00004093D:D09	M00004245C:A03	M00007127B:A04	M00022726A:A06
M00004101D:A03	M00004247A:E01	M00007129A:G10	M00022730A:E04
M00004103B:C07	M00004247B:C11	M00007130B:B03	M00022737A:C08
M00004107C:A01	M00004248A:G08	M00007132D:G08	M00022763A:E10
M00004114C:F02	M00004263D:F06	M00007134C:F07	M00022824C:H11
M00004115A:F01	M00004272D:D02	M00007137D:C10	M00022835C:E06
M00004117B:F01	M00004273D:E11	M00007140D:C12	M00022854D:H07
M00004120A:C02	M00004277D:C08	M00007150A:C09	M00022856A:D02
M00004126B:G02	M00004281B:B05	M00007150A:H06	M00022856B:F04
M00004129A:H08	M00004283C:D03	M00007154A:E04	M00022856C:B11
M00004130C:A09	M00004285B:E01	M00007163A:F11	M00022893C:H11
M00004133D:A01	M00004297D:E08	M00007163B:A12	M00022897A:F04
M00004178B:F06	M00004298B:D04	M00007166B:E06	M00022900D:E08
M00004180B:F04	M00004308A:E06	M00007170D:A10	M00022900D:G03
M00004184B:F11	M00004324B:D09	M00007172A:A05	

ES47	ES48	ES49	ES50
M00004191B:G01	M00004328A:H06	M00007172D:C08	
M00004193A:C07	M00004329C:F11	M00007188A:D03	
M00004193C:H01	M00004331D:H08	M00007189D:A09	
M00004199D:C02	M00004332C:E09	M00007193D:A04	
M00004200A:A09	M00004337D:G08	M00007195B:B02	
M00004200A:G06	M00004345A:H06	M00007198C:A10	
M00004200D:A07	M00004383A:F02	M00007199D:B07	
M00004201D:C11	M00004385C:B11	M00007204C:F09	
M00004201D:E12	M00004388C:D05	M00007929B:H10	
M00004202B:A02	M00004406A:H03	M00007961A:B01	
M00004204A:D04	M00004408D:A10	M00007964B:D10	
M00004204A:D10	M00004410A:E03	M00007971A:B04	
M00004204B:A04	M00004412B:E03	M00007977C:E08	
M00004210A:B09	M00004421A:G04	M00007995D:E06	
M00004216D:E10	M00004447D:D10	M00008074D:C01	
M00004217A:A11	M00004460B:H09	M00008094A:E10	
	M00004465C:B10	M00021611D:D05	
	M00004465C:B12	M00021611D:H03	
	M00004467A:F09	M00021614B:G12	
	M00004467D:F09	M00021618D:D07	
	M00004491D:D07	M00021624A:D07	
	M00004497C:E09	M00021624B:A03	
	M00004501A:G06	M00021625A:C07	
	M00004506C:H10	M00021629D:D05	

Table 24 Library Deposits			
ES51	ES52	ES53	ES54
M00001448A:D05	M00001439B:E02	M00006621A:G10	M00021640A:G03
M00001458B:F06	M00001443A:E02	M00006626A:G11	M00021657B:C08
M00001530A:D11	M00001443D:C03	M00006629D:D04	M00021690B:B06
M00001563C:D06	M00001444A:G12	M00006630B:H06	M00021690C:B07
M00001564C:D04	M00001445B:E03	M00006631D:B02	M00022071C:C09
M00001569B:F04	M00001451B:H11	M00006631D:C04	M00022081C:B11
M00001575A:H02	M00001452B:F09	M00006631D:E09	M00022085C:A07
M00001589C:D12	M00001488B:H02	M00006635C:B10	M00022091B:B07
M00001589D:G10	M00001491D:E07	M00006636A:E06	M00022122D:D06
M00001590D:A07	M00001496C:H10	M00006636D:A05	M00022150D:D11
M00001598C:D10	M00001499A:D01	M00006636D:F11	M00022154A:C01
M00001599A:H09	M00001499A:D05	M00006640A:B01	M00022170D:H07
M00001609A:B12	M00001499B:H05	M00006640B:F05	M00022365A:A01
M00001614C:G04	M00001500B:H07	M00006640D:H08	M00022389B:H04
M00001626C:C10	M00001504C:H11	M00006641A:B03	M00022439A:E07
M00001634C:E12	M00001506D:A11	M00006643A:E10	M00022449D:F06
M00001639A:A04	M00001543A:D03	M00006644C:E09	M00022458B:E06
M00001640A:F02	M00001543A:F01	M00006648C:E04	M00022474A:H09
M00001640A:F04	M00001548C:A09	M00006650A:B11	M00022480B:E07
M00001647C:C07	M00001555D:F11	M00006656C:C10	M00022489C:A08
M00001649B:E08	M00001557B:D10	M00006664B:B04	M00022490C:A08
M00001654D:F06	M00001597A:C07	M00006664D:H09	M00022490C:C01
M00001658B:C07	M00001604B:D09	M00006665A:F07	M00022493C:B07
M00001659D:G08	M00001605D:G01	M00006665B:D10	M00022493C:C06
M00001663C:C03	M00001621D:B09	M00006674B:F04	M00022498C:C08
M00001675C:B03	M00001622C:F06	M00006676B:F11	M00022514A:D04
M00001677A:A06	M00001624A:A09	M00006676D:D11	M00022515D:C04
M00001677A:A12	M00001640D:C10	M00006679C:D07	M00022549B:G07
M00001678D:A12	M00001645B:C09	M00006681C:G04	M00022557B:A08
M00001679C:F03	M00003782D:F04	M00006695B:F08	M00022565C:H02
M00001681A:H09	M00003783C:A06	M00006698B:E06	M00022578D:A08
M00001687C:A06	M00003786D:C06	M00006699B:C07	M00022597B:F11
M00001693D:F07	M00003787B:D07	M00006705B:D02	M00022599A:C03
M00003746B:E12	M00003787D:A06	M00006712B:H10	M00022661B:E11
M00003766A:G09	M00003864C:D09	M00006717A:D04	M00022661D:H01
M00003795A:B01	M00003993A:E12	M00006721C:G07	M00022666B:E12
M00003796C:H03	M00003997B:H04	M00006725A:A03	M00022674D:G04
M00003797D:E10	M00003997D:G11	M00006725A:B03	M00022718D:G05
M00003799B:D02	M00004047B:G09	M00006727B:G08	M00022725C:B03
M00003809B:D08	M00004048D:A07	M00006728C:B06	M00022727B:C05
M00003811B:E07	M00004049D:G04	M00006737C:A08	M00022728A:A09
M00003812B:F08	M00004050A:F02	M00006738A:E05	M00022730D:E10
M00003812D:E08	M00004051C:D10	M00006739B:B10	M00022735B:B01

ES51	ES52	ES53	ES54
M00003815C:A06	M00004058B:F12	M00006739B:B12	M00022745A:B04
M00003815D:D01	M00004060C:A11	M00006739C:H07	M00022856B:D07
M00003816C:F10	M00004064A:B12	M00006743B:G12	M00022901D:C09
M00003818C:E09	M00004066A:E12	M00006744C:C06	M00022902D:D03
M00003819A:B09	M00004067C:D08	M00006745D:E08	M00022953B:C07
M00003819C:E04	M00004134A:F08	M00006751A:F03	M00022960D:E08
M00003820A:H04	M00004134A:H04	M00006758D:C01	M00022963A:D11
M00003820D:E02	M00004134C:B11	M00006760D:G12	M00022968A:F02
M00003824B:D06	M00004140B:B01	M00006763B:B11	M00022980B:E11
M00003825B:D12	M00004143C:F08	M00006769D:A04	M00022980C:A09
M00003826B:D01	M00004144D:B06	M00006770B:C05	M00022993A:F02
M00003829A:E02	M00004152C:E01	M00006771A:E06	M00023003C:A03
M00003832B:G03	M00004159D:H07	M00006771A:H07	M00023011A:A06
M00003833D:D06	M00004160A:A01	M00006771B:A09	M00023021A:H08
M00003835A:E03	M00004161B:A12	M00006771B:F03	M00023023A:B12
M00003837C:F05	M00004163A:D11	M00006774D:C01	M00023028A:A02
M00003839C:B05	M00004164D:D02	M00006777B:D10	M00023033A:E10
M00003845A:A05	M00004165C:E09	M00006779B:A11	M00023034C:E05
M00003846D:C12	M00004166A:F02	M00006779D:D03	M00023036D:C04
M00003857C:A03	M00004167C:F10	M00006780A:H12	M00023094A:C04
M00003858A:D01	M00004169A:B11	M00006789C:F04	M00023103A:E11
M00003860B:A07	M00004200B:B04	M00006790D:A05	M00006754B:D05
M00003868B:C07	M00004222A:H10	M00006796A:H10	
M00003881D:D09	M00004223D:D07	M00006797B:D12	
M00003883D:C03	M00004225D:F01	M00006801A:G05	
M00003884B:E06	M00004228C:D11	M00006805A:E11	
M00003886C:D10	M00004229C:G11	M00006805A:H09	
M00003903C:A12	M00004239C:A07	M00006805B:C04	
M00003912C:H01	M00004239C:C09	M00006807D:D08	
M00003915B:G07	M00004240D:E06	M00006813A:C04	
M00003920D:D09	M00004241B:B01	M00006822D:D05	
M00003926B:E03	M00004243C:E10	M00006825C:D06	
M00003934D:F01	M00004266A:F10	M00006831B:B04	
M00003958C:C10	M00004266B:H06	M00006832A:F05	
M00003965A:F07	M00004268C:F08	M00006832D:F10	
M00003972C:F02	M00004268D:G07	M00006833B:E11	
M00003974B:A04	M00004269A:B11	M00006872B:G01	
M00003974C:A05	M00004269D:E08	M00006875D:D10	
M00003975B:H09	M00004276C:E12	M00006879D:A10	
M00003976C:C05	M00004277B:C06	M00006882D:F03	
M00003980C:A11	M00004277C:H11	M00006884D:D06	
M00003987A:C07	M00004279D:E02	M00006908C:A05	
M00003988B:C10	M00004281B:B03	M00006921B:C02	
M00003988C:A06	M00004284B:F07	M00006921B:E03	

ES51	ES52	ES53	ES54
M00003989C:F01	M00004287B:B12	M00006949B:F03	
M00004028C:D01	M00004287C:B06	M00006960A:G11	
M00004029A:E01	M00004297D:B08	M00006966D:G03	
M00004030A:E09	M00004332B:D02	M00006974B:D06	
M00004031A:G05	M00004332B:E11	M00007013B:F02	
M00004032D:D03	M00004346B:D06	M00007014D:C05	
M00004033C:D10	M00004389C:E01	M00007014D:D04	
M00004034A:E08	M00004403A:B05	M00007030A:G01	
M00004035A:A10	M00004407D:B09	M00007030C:F08	
M00004035B:H11	M00004419D:G01	M00007053B:C07	
M00004035D:C05	M00004449D:H01	M00007065B:B12	
M00004037B:A09	M00004463C:F11	M00007065D:C01	
M00004037C:C05	M00004466A:E09	M00007075C:D08	
M00004037D:B05	M00004469A:C12	M00007085A:B07	
M00004044A:F08	M00004470C:A02	M00007118C:G02	
M00004068A:F02	M00004498B:E01	M00007119B:H10	
M00004068B:D04	M00004509A:H02	M00004824C:G09	
M00004068D:B01	M00004605C:A09	M00004826A:E09	
M00004069B:B01	M00004609C:C11	M00004839C:B01	
M00004073D:E01	M00001378B:F06	M00004840C:F02	
M00004075A:G10	M00005294C:G08	M00004840C:H05	
M00004075C:C09	M00005294D:H02	M00004845D:E11	
M00004076A:E02	M00005330C:F09	M00004846A:D02	
M00004077D:D10	M00005333C:C08	M00004846D:H09	
M00004078A:F03	M00005342B:G10	M00004854A:C09	
M00004078C:A08	M00005352C:G09	M00004858D:E06	
M00004084A:D11	M00005352D:E06	M00004999A:F01	
M00004086A:A03	M00005353B:B09	M00004999B:D12	
M00004086D:A07	M00005359B:G01	M00004999D:E01	
M00004088A:F12	M00005359D:H08	M00005004B:C11	
M00004089A:F02	M00005377A:A04	M00005005C:E06	
M00004089A:G03	M00005377A:D05	M00005009B:A02	
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M00004102B:B04	M00005388D:B11	M00005519B:H04	
M00004102C:F07	M00005392C:C04	M00005519C:F08	
M00004103B:C09	M00005393A:E11	M00005531B:A03	
M00004103C:F11	M00005394A:G07	M00005535B:F06	
M00004104A:H09	M00005396B:C04	M00005587B:H02	
M00004104D:C09	M00005399B:F02	M00005685A:A04	
M00004108A:D04	M00005400A:D02	M00005706D:A09	
M00004109B:A01	M00005403D:E11	M00005711A:H01	
M00004126D:B11	M00005406D:B08	M00005798B:C11	
M00004133C:B02	M00005411D:E05	M00005799C:C12	

ES51	ES52	ES53	ES54
M00004182D:H03	M00005415D:G02	M00005805D:E06	
M00004183A:D06	M00005417C:E10	M00005827B:H08	
M00004186B:E05	M00005419A:D05	M00005828D:C09	
M00004187C:H09	M00005419C:D09	M00005837A:D12	
M00004188A:E05	M00005443D:C12	M00006751B:B11	
M00004188A:E10	M00005447B:D02	M00006754B:D05	
M00004190A:C12	M00005448D:E08	M00006756B:B08	
M00004190C:G07	M00005450A:A02	M00006757D:E04	
M00004190D:A10	M00005450A:B10	M00006758A:B12	
M00004190D:G12	M00005450D:D02	M00006758D:C04	
M00004198D:H04	M00005451A:E03	M00006834A:C08	
M00004202B:F04	M00005456B:B07	M00006835B:F04	
M00004202B:G09	M00005456B:E03	M00006837C:G06	
M00004206C:G11	M00005460A:B10	M00006841D:A08	
M00004213A:H12	M00005465C:H02	M00006855C:H02	
M00004214A:D03	M00005466A:F12	M00006855D:H02	
M00004218D:F12	M00005468B:D04	M00006859A:F06	
M00004249C:E12	M00005470B:E01	M00006860B:H01	
M00004249D:G02	M00005473D:E10	M00006886A:D06	
M00004252D:A07	M00005483A:F05	M00006893C:B02	
M00004253D:F09	M00005483D:A02	M00006893C:F02	
M00004257C:A08	M00005487A:H01	M00006895D:E10	
M00004262C:C01	M00005489A:F06	M00006917C:E07	
M00001339B:E05	M00005493B:A12	M00006919B:C03	
M00001341A:A11	M00005493B:E01	M00006923C:B01	
M00001346A:B09	M00005497C:C10	M00006926A:H11	
M00001346B:A07	M00005505A:C08	M00006934A:G02	
M00001346B:G03	M00005508A:H01	M00006936B:E09	
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M00001352C:E01	M00005539D:G07	M00006939B:E05	
M00001362B:H09	M00005571A:E11	M00006953D:H11	
M00001370A:B01	M00005619C:H10	M00006980A:F02	
M00001370B:D04	M00005625D:C03	M00006986C:G11	
M00001374C:C09	M00005626A:B11	M00006989B:C11	
M00001376A:H02	M00005635B:A06	M00006990B:H09	
M00001378B:F06	M00005635C:F11	M00006991A:E07	
M00001380C:D10	M00005636C:D11	M00006991D:G07	
M00001383C:C07	M00005637D:C05	M00006995C:A02	
M00001384A:C09	M00005641B:E02	M00006997B:E06	
M00001391D:A07	M00005645D:F08	M00006997D:B03	
M00001391D:A09	M00005646C:B09	M00007006D:D04	
M00001396C:G02	M00005646D:B03	M00007010B:C11	

ES51	ES52	ES53	ES54
M00001397A:F10	M00005655D:C04	M00007010B:H03	
M00001397B:E02	M00005703C:B01	M00007012B:D07	
M00001397B:H11	M00005720B:D09	M00007031C:D01	
M00001399D:F01	M00005722A:E09	M00007032A:F11	
M00001400D:B08	M00005762D:A01	M00007033A:H05	
M00001402C:E09	M00005783A:C05	M00007033D:F04	
M00001406A:G12	M00005812C:F10	M00007036A:D02	
M00001406D:B06	M00006581C:D02	M00007037B:D04	
M00001408A:B02	M00006581D:H08	M00007084B:A05	
M00001409C:D01	M00006582A:B09	M00007093A:F09	
M00001411C:F02	M00006582D:E05	M00007099C:F09	
M00001411D:C01	M00006592A:D03	M00007101A:A11	
M00001412D:C03	M00006594D:F09	M00007107A:D11	
M00001417B:C07	M00006596A:F07	M00007121C:H01	
M00001417C:A09	M00006601D:F04	M00007129A:E04	
M00001418A:C02	M00006604C:H10	M00007132B:B11	
M00001421C:A03	M00006607B:E03	M00007134B:G07	
M00001426A:C02	M00006607B:F04	M00007146D:G01	
M00001427A:C05	M00006615D:F04	M00007148B:C06	
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M00001438B:H06		M00021619B:G10	

We Claim:

1. A library of polynucleotides, the library comprising the sequence information of at least one of SEQ ID NOS:1-2702.
5
2. The library of claim 1, wherein the library is provided on a nucleic acid array.
3. The library of claim 1, wherein the library is provided in a computer-readable format.
- 10 4. The library of claim 1, wherein the library comprises a polynucleotide corresponding to a gene differentially expressed in a cancer cell of high metastatic potential relative to a control cell, wherein the control cell is a normal cell or a cell of low metastatic potential, and wherein the sequence is selected from the group consisting of SEQ ID NOS:1213, 1538, 1466, 1356, 1383, 1158, 441, 1338, 1426, 1547, 1313, 841, 1534, 1503, 829, 1408, 1447, 1389, 356, 1492, 1543, 799,
15 1437, 1251, 972, 1482, 1299, 109, 1558, 1355, 1548, 250, 919, 358, 1525, 1157, 150, 651, 1298, 57, 625, 1322, 36, 621, 215, 561, 247, 199, 998, 502, 1382, 1181, 1309, 1157, 1260, 1185, 1525, 248, 87, 698, 57, 924, 1249.
- 20 5. The library of claim 1, wherein the library comprises a polynucleotide corresponding to a gene differentially expressed in a cancer cell of low metastatic potential relative to a control cell, wherein the control cell is a normal cell or a cell of high metastatic potential, and wherein the sequence is selected from the group consisting of SEQ ID NOS:248, 726, 14, 699, 763, 20, 79, 715, 991, 1199, 707, 1128, 891, 1146, 731, 1518, 340, 949, 1247, 1185, 924, 822, 728, 341, 1527, 698, 949, 744, 973, 1268, 1114, 1032, 109, 973, 91, 982, 1267, 93, 1556, 1251, 1206, 812, 1254, 1220,
25 766, 1156, 1007, 981, 762, 876, 1234, 1183, 1044, 785, 1069, 770, 778, 792, 822, 1258, 1224, 984, 841, 339, 1213, 1201, 1192.
6. An isolated polynucleotide comprising a nucleotide sequence having at least 90% sequence identity to an identifying sequence of SEQ ID NOS:1-2707 or a degenerate variant or
30 fragment thereof.
7. A recombinant host cell containing the polynucleotide of claim 6.
8. An isolated polypeptide encoded by the polynucleotide of claim 6.
35
9. An antibody that specifically binds a polypeptide of claim 8.

10. A vector comprising the polynucleotide of claim 6.

11. A polynucleotide comprising the nucleotide sequence of an insert contained in a clone deposited as ATCC accession number xx, xx, xx, xx, xx, xx, xx, or xx.

5

12. A method of detecting differentially expressed genes correlated with a cancerous state of a mammalian cell, the method comprising the step of:

detecting at least one differentially expressed gene product in a test sample derived from a cell suspected of being cancerous, where the gene product is encoded by a gene corresponding to a sequence of at least one of SEQ ID NOS: 1213, 1538, 1466, 1356, 1383, 1158, 441, 1338, 1426, 1547, 1313, 841, 1534, 1503, 829, 1408, 1447, 1389, 356, 1492, 1543, 799, 1437, 1251, 972, 1482, 1299, 109, 1558, 1355, 1548, 250, 919, 358, 1525, 1157, 150, 651, 1298, 57, 625, 1322, 36, 621, 215, 561, 247, 199, 998, 502, 1382, 1181, 1309, 1157, 1260, 1185, 1525, 248, 87, 698, 57, 924, 1249, 248, 726, 14, 699, 763, 20, 79, 715, 991, 1199, 707, 1128, 891, 1146, 731, 1518, 340, 949, 1247, 1185, 924, 822, 728, 341, 1527, 698, 949, 744, 973, 1268, 1114, 1032, 109, 973, 91, 982, 1267, 93, 1556, 1251, 1206, 812, 1254, 1220, 766, 1156, 1007, 981, 762, 876, 1234, 1183, 1044, 785, 1069, 770, 778, 792, 822, 1258, 1224, 984, 841, 339, 1213, 1201, 1192

wherein detection of the differentially expressed gene product is correlated with a cancerous state of the cell from which the test sample was derived.

SEQUENCE LISTING

<110> Williams, Lewis T.
Escobedo, Jaime
Innis, Michael A.
Garcia, Pablo Dominiguez
Sudduth-Klinger, Julie
Reinhard, Christoph
Giese, Klaus
Randazzo, Filippo
Kennedy, Giulia C.
Pot, David
Kassam, Altaf
Lamson, George
Drmanac, Radoje
Crkvenjakov, Radomir
Dickson, Mark
Drmanac, Snezana
Labat, Ivan
Leshkowitz, Dena
Kita, David
Garcia, Veronica
Jones, Lee William
Stache-Crain, Birgit

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PRODUCTS V

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 cctgccnctc taattctttg gntaaanntt ntcnntcttg natctccatn gccatgatnt 180
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 attatgggtta tttgcctagt ttgatactca aaacatgact cttagtctaa cttannngtg 180
 tttaaacctg agtancncnc agaccctttt tnanggnnaa cnnanttctc ntggatccca 240
 gctgttgctn ttttgtnngn cncntntntn natngnctng tntantncaa cntctgctcg 300

<210> 4
 <211> 288
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 gttcactaat cccttctccc caccctgctt ccttttagacc catgttaatc tattacctnn 180
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 ncagagtga tgttggcgcg tgcgtgntag natctcgnag gtgttgcncc cangagtta 180
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 aaaaaaaaa nncnnnngna aanttttng nannggataa nttnggttnc ngggtnggaa 180
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 caaatnaaaa agggnggtt ttaccnngn aaangnnaat gttcaaa 287

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 ggcacatgac ttagtccca gctactcagg agactgaggc aggagaatca ctcaaacctg 120
 ggaggtggag gttgtagtga gcngcatca ngccnttnc actncannct atgntaccnn 180
 nctgaanntg tctcatnnaa ctaatncata aatnnanacc gtntntact gtgttnncca 240

nactgctctc anntntctgg acntcacnnt cctctctcta acctctctct ccca 294

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 ggggnnttgc naaanccttg naacagctta cntaatatta ctntntttt atnnnngntg 120
 ctnatgnttt nanctncntt gtcaaaaangn aggcattgtt acnanantaa ntnancnttt 180
 tganancncc tatgctgttt nngngagatt ctgcttnaac ccntgatacc ttcttgggnc 240
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<210> 9
 <211> 276
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 <213> Homo sapiens
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 ttgacctgt gatacgcccg ccttggcctc ccaaagtgtt gggattacag gtgtgggcca 120
 ccacaccag cctttttttt tttttttttt gnaaanaaag ggncaattt tnnccaaaan 180
 ccnnggnngn aggnnnggc ccaantnngg gntaatngaa ncntcnncnt ccagggtncn 240
 nggnttttta ngncctaacc cncngnngaa ccggga 276

<210> 10
 <211> 285
 <212> DNA
 <213> Homo sapiens
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 <221> misc_feature
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 gaatcacttg aaccccagag gcagaggctg aagttagcca agattacgtc actgcattcc 60
 agcctgggtg acagagcgag actccatctc aaaaaaaaaa aaaaaaaaaa aannngnncc 120
 ttnaaaattn ntngggggcn ttntttcnaa ngnnaaaccn ttatntncc cttngngggn 180
 ngggnnnanc cngnnnttna angganggna aaaannggnt ttttngaaaa ntttggnnan 240
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agtgagactt ggtctcaaaa aaaattaaaa ataaaaaata aattgggggc tgagtgtggt	180
gntnangntn tanttntcnn ttcttangna ncttgnatnt tttnaaatnt cgnnttttng	240
tntnnnttnn tttttttnat nnatntagnt nttntntcg nttttttt	288

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tggaggttgc agtgagccga gatcgcgcca ctactctcca gcctgggcga aagagcgaaa	120
ctccatctca aaaaaaaaaa gggaanttna aaannaccng caaatgtntn gttnggggan	180
ntttntgnag ggtngngncc nttnggncct ttacntaacc ccnggantnc ntttaagggg	240
aangngggtg aagntgttn aancncnggg ngtnctgtg taaanangt ttggttccc	299

<210> 13

<211> 300

<212> DNA

<213> Homo sapiens

<400> 13

ggaaagccct ttgtcatgaa tctgcaggat ctgtatatgg cagtcaccac acaagaggtc	60
caagtgggac agaagcatca agcgctgga gatcctcata cctcaaacag tgcttccctg	120
caaggaatcg atagccaatg tgtaaaccag ccagaacaac tggctctctc agccccaacc	180
ctctcagcac ctgagaaaga gtccacgggt acttcaggcc ctctgcagag acctcagctg	240
tcaaaggtca agaggaagaa gccaaagggg ctcttcagtt aatctgttgt ggcctcagct	300

<210> 14

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```

cctcgaagcc tggggtggca tccnngcctt gccattaaca tgcctcatgc atnatcagat      180
gacaaggaca accctnatga cnaatcaaca tgaattaggg ggcctcttgn tcttggtcca      240
aaattgtcan tcagnnatga ncatatagga                                         270

```

```

<210> 15
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```

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ggattaatag acgtaaagcc tcttggtgtt atatggggaa agttttcgga gttttacagc      120
acgaaaaanca ccattatgtt ngatgacata gggagaaatt ttctaataa cccacnaatg      180
gactaaagat taggncttt ntnangenc cccttnattn nnntnanccc nccnacnttt      240
taaatccnct nanntncctt caggngatng cccanttaga tgactttttg gatctaaatc      300

```

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<213> Homo sapiens

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```

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agcaaggaaac aggtataata agtggaaaat cttggaataa gtataattat catccagcct      120
cccagaagaa tactcaacaa cccttgcca agcatgaacc aaggaaagag tccattaaaa      180
agaccaaaca tttgagattg tcacagcctt ctgaagttac tcattataag tcaagcaaac      240
gagaagtacg aacatctgat tcttccagcc atgtttccca gtctgaagaa caagcacaga      300

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<220>
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<223> n = A,T,C or G

```

```

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tggtacgaag nagtaacatn aatttagagt tnagtnntcc antttgnatc ntengcaann      180
gcattctntga ncnntgcgcc ngtganntnn nnttatgnna ntatctnatn tnnnnngnan      240
ngcnnaaac                                         249

```

```

<210> 18
<211> 300
<212> DNA
<213> Homo sapiens

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```

<400> 18

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ggatgctgag atgatatgcc ttttgaccag gatgtctcaa gtatccaagc ccagaaatca      60
tctcttctag gctgaatcaa gatggtttgc ataagagacc atgcagatgc acgtctctgc      120
tatcttacat taaaaatgca gaatggctca cctgcccttt gttgtcatat gttatataga      180
aaaacctatt tgcattgagaa ctgtcaccca cagttttggg tagggtcagt gtgtgccact      240
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<210> 19
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<212> DNA
<213> Homo sapiens

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ttagtgattg cggtttcagg ctctcgggtgat ggggttctgt ggcgtccgtt gttgattgtg      180
acggatttct caggtttctg ggtgtctctg gggagcccc ggccagatt ttcctctaga      240
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<210> 20
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<212> DNA
<213> Homo sapiens

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acagtgcagg attttagaaa gagaagggga agaaaatgaa gccttacata agatgattgc      180
aaacgagcaa aagacttctc tcccaaattt gttccaggat aaaaacagac cgtgtctcag      240
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ttacagctgg gtgtttatca caggcattta taagaagtta gtacactttc aggccctctg      240
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aaaaaaaaan gncnngga aanttttgng ganngntna gtnngntnc ngggtnggna      180

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nttantnnta ncnggcaagg gcaaaaaaag ngnggttant tagngngntt tncaccnccc 240
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<212> DNA
<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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gtttctcgg ttggaccctt aggtgaaac attgctatct tcctcctgta catgcagcag 240
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 gtgcattctt tgtggagccg gaaggtaatt tttttaattt cacgcactcg ctttccttct 180
 ggagagtctg aaagggttgct gagatattag cactgaccc taaatgccacc tcagagagct 240
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 <223> n = A,T,C or G

<400> 28
 gggctttgaa gatagctttg aggaagaaga ggaggaagaa gaagatgatg actaagcagt 60
 actctgaatg gaccacagtg tttgcacata tttgcaattt tttgctgntt tggaagncta 120
 tcataaacca gantcagnac agaactgatg ntgagggagg ggnacgntct cttttgtatt 180
 ttattttnnn cnntnnnttg ttctngnctg nnnntnncat cncntnngnn tttnnctnt 240
 aatnnanntt tttgtnnnnn tc 262

<210> 29
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 29
 ctgcgcgaat gggctgcctg tggacatcac caaggtgccg cctgcccctg tcaacaagga 60
 cgactttgcc ctggtccagc ggcctggccc gggctctgtc caggaggccg cccggcgcta 120
 tgggtgaactc accaagctca tacggcagca gcacgagatg tgcttgaacc actcaaacca 180
 attcaccag ctgggcaaca tcaactgaaac caccaagttt gaaaagttgg cggaggactg 240
 taagcggagc atggacattc tgaagcaagc cttcgtccgg ggtctcccca cgcccaccgc 300

<210> 30
 <211> 297
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(297)
 <223> n = A,T,C or G

<400> 30
 aggatcagga agtttgtgct ctctgcgtgg ctaagttttt cacctactag gacgggggag 60
 gtgtgggagg ttttgggtgn cttctaagat acnnnacnag nttnnnctg ntccccaccn 120
 taaccacagaa tnnctatatatt atcaggcgcn natgaccact ttaacttacc gngnccgang 180
 tactgnaatt nccccatant ntgaacnnan natnnnttgt gaggattaca gcacttgcca 240
 gatgantncc actgctgaaa nattcttngn gactctantg ttatnccctt taccctt 297

<210> 31
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(300)
 <223> n = A,T,C or G

<400> 31
 gcaaggtgca gtagctcacg cctgtaatcc cagcactttg gaggccgaga caggaggatt 60
 gcttttagacc aggagttcag gaccagcctg gccaacacag tgaggccctg tctacaaaaa 120
 attaaaataa tcacttagaa aaatcaaata ttcttgaaaa agtttagact tgcaaatata 180
 atatggggaa aatggacang cnaccnattn actctagtcc naaaatacca agccgactgn 240
 ctnnccattaa gttnnagaag cnnaagnagg anttaacagc tccatganga ctnttgatga 300

<210> 32
 <211> 282
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(282)
 <223> n = A,T,C or G

<400> 32
 tagaagaaac acacagaaca agcagcctga catgtaacag agcaggaagc cccccatgt 60
 ccacctctac ctcatcttgt caagtcttca agagacctcc aggccagtc actgtgaatt 120
 cattcctctg ggtttaggca ctacacctcc cgccacccca gagaggtagc atattaaatc 180
 attaacagaa tctaataataa ngggggcctg tgattactgg gaacncgttc ttctgaatta 240
 tatgcgngng anccntantn cntgnngnan gnncttttaa gg 282

<210> 33
 <211> 296
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(296)
 <223> n = A,T,C or G

<400> 33
 aggccttttc cccacttctt aaccttcact gagagggtgg ttggggctctg tttcactcca 60
 tgtgtcctag atcctgtgct acagaccttc cttctgtcc tcccgcttg gacctcagtc 120
 ctgggggctc caaagtgcgt ttcgtgcagg tagtgtgatt acccaacctc ctgctganct 180
 anccatttcc cgnccccccg ggacacgttc tctctgcca tngncttctt gnetgagctc 240

cccaagctcc atctgtcatg ctgngnagcc canntggcgt tcanaatngg tctggg 296

<210> 34
 <211> 261
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(261)
 <223> n = A,T,C or G

<400> 34
 gctacagcca ttacagtcaa ctagatttga gtgctgccgc tggtaagtta attgaatagc 60
 caagttatgt tgtccttacc caagtagaca gtggaaagga ataatggcan aggccatgat 120
 gcgagtntgg ccncanccat gcatncntc tgtngtgntc ttagttctgt natactctat 180
 gttttangtt anttacctaa atcatntntg aatcangnnt nattttncnt tntatgtatc 240
 nnanngtnta nttttntngt t 261

<210> 35
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 35
 ttcaaatttc tgtgcccttc tctcctctcc ttggttctct cccatgtttt gtcaaacttc 60
 ccacaccag ctccttaaac aaagggactg gctaggtcag gcagaggttg agtcaagagt 120
 gctcagtggt cccaggatga ctgtcaagag tgggtggcagc tctcctatgt ctcagcccc 180
 caggagcacc tcagccctgc aacggcatca aactgggtgg cacacactag tatggagcca 240
 gaaatcagtc agtgggaata tgatgcaccc aattttacag tgactgtgtc ctgaaactcc 300

<210> 36
 <211> 261
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(261)
 <223> n = A,T,C or G

<400> 36
 gcctacacta gtgaattaat ctgaaaggca ctgtgtcagt ggcattggctt gtatgcttgt 60
 cctgtggtga cagtttgga cattctgtnt tcatgaggac tcacagtcga centcatgtt 120
 actttctttg nnnnactctn ttnccttggn tgactgcntg ctngatnttn tntcntnnn 180
 caaangtngc cnnntttagt nntncgttag agatncangn gnnngntnnc tgttaaattt 240
 cgnnnnnnct tnnncanatt c 261

<210> 37
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 37
 catgtggtgc acaggtcgga tggtaaattt cagatctttg cctatagagg gaaagttcct 60
 tgggttggtga gttacagacc tgccagggga gtcctgcagc cagacaccct gtccattgct 120

agccatgcat cattacccaaa tatatggacc gcattggcaag ccataacccc cttggtggag 180
 gaactgaatg tcctacttca ggaatggcct ggactgcact acaccgtgca cattctctgt 240
 tctaagtgcc ttaagagagg atcgcccaat ccacatgctt ttccaggga atctgctgtg 300

<210> 38
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 38
 aaaatgagag tattttcttt tctcccttca ttacctggg tgttttggct caccaaagag 60
 ttgtgttctg caaatgtctg ggcaatccat ggagctaaac tggcattaga gtcaagtaac 120
 actcctcttc tctccctggt cttttcctta aaatcttcaa aggcattggg ggttttacct 180
 tagcaacttg ctatttcgtc ttcttagttt gaaccttcaa atatagctgg atataataaa 240
 atgctcctca aatgaggaag taccagaaag accagatgca tggctctcatg cttcccttgt 300

<210> 39
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 39
 cttcagcata caccctcagg gattcacagc cttccaacgt ccattcatgg agcccaggtc 60
 caaaacctgt gatccgagaa taggataacc cttttctgcc catagggtgt tttccaaaga 120
 cttttcattg ctctgggtta cgtgggaaac aacaaaacag aaccatcccc cgcactggtc 180
 agctgctacg ggtcacgcca gggaaaagtg tggactgatg tatttcgttg ttaccatgt 240
 ttctagccag agctaatttg aaaataggta tcccaagaac cagactgcag gaggatccca 300

<210> 40
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 40
 gaggaactcc ccaggcattc tgtgagatgg tagtggtcac agcgtgaca gatgtccctt 60
 tgacacagtc ctggggtctt ctctgcacaa cagaaaggag ttttgtgaca aagttgatgg 120
 aggaggttag gtatttaatt aggactagcc agggagggca gggactctgt taagcagtga 180
 atttgtcaaa attttacttg taccaggtgg gaagataact agctgtggaa gcctgttctg 240
 agatgccttg ccatggccaa tgactgggta accacaaggg tcactaaaag agagggttcc 300

<210> 41
 <211> 298
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (298)
 <223> n = A,T,C or G

<400> 41
 ggaacctcac ctgtggctca gtcacccca catccgtttc tcattacgtg taaataaact 60
 gtcagagctg atgttacagc ttttacagtt taaagcattc ccctcgtctc tagtcccttt 120
 ttnttgnntt acatagtntn ggcactttcc ctgattcacn anctttcngg gnngangagn 180
 ggagnaggng gggcgtnatc nggtgnattn ngngngnnnn gnngtgggaa ggntntggcg 240
 ngngcngnt atntgggagn gtgggnagtg gtagggntnt antnngtgac ntggattg 298

<210> 42
 <211> 298
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(298)
 <223> n = A,T,C or G

<400> 42
 gcttggtctg gggaaagctc atataagtat ggattttatt cctcaactag taggatacca 60
 atactggtat tgaaacttgg ggaaaataac tggagatacc agtgcagcta tttaaagctg 120
 tagcaagggc tgcaatcttg cggagatttt aaagagaagt tttaaagttt ctaataactga 180
 tgctctcttt tggtaaatac aagttttata aatcctgccc tgggatcctg attccccatt 240
 aatcaagatt tgtcagactt caccttctat aattagaaaa cacngttata agaacagt 298

<210> 43
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(300)
 <223> n = A,T,C or G

<400> 43
 cttgaaccta ggaggtggag gttgcattca actgagatca taccacttca ttccagcctg 60
 ggtgacagag caagactctg tctcaaaaaa aaaaaggaaa actntgngan ggacatttgt 120
 tnagtaaanc cnttcagtat tnatccntcc tttccccnca gcagcttnt ttctgtcaa 180
 ctaaaangga ccaggangta ataaatncnt tttggnggga ctaggccacn ccaantntna 240
 atcntctccc ntttncctta nacatttaaa ttgcaaggcg ggnccctctg gngctcaaaa 300

<210> 44
 <211> 163
 <212> DNA
 <213> Homo sapiens

<400> 44
 ccgggccagg gtaacagaat caaccctgcc ctgccctgcc tgagcctggc accagatcac 60
 aagcaacaga agtcttctgc cagctgaaaa gctgagtgtg ggacagcagc actgaggaag 120
 cctgacacc ctagtcccca ctctaagcag cccaccacta gag 163

<210> 45
 <211> 277
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(277)
 <223> n = A,T,C or G

<400> 45
 ctcaggcagg gagaaaagga ggcagtgggc acagccgtgg actatggcta cttcagattc 60

```

ttccaggacc ggaggattgc ccgctgtccc ttccacacgc tgatgccanc agagcgcgag      120
acgctcctgn cnccggaann ctctcttggn gtnantgnnt nttgcttcta tttttantng      180
nnnnannnct nttggttggn ccctattttt cncncngcct cnnngnanct tttttttaacn      240
nngtntctn ctncngncc aatnnnnntt cctttttt      277

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<210> 46
<211> 293
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(293)
<223> n = A,T,C or G

```

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<400> 46
gaagagcttc tgcaggggct gagcagaccc cagggcctct tagccaatcc ccgggcctgg      60
tgaagcaggc gaagcagatg gtcggaggcc agcaactacc tgcacttgcc gccaagagtg      120
ggcaatcttt taggtctctc gggaangccc cagntttcct ccccantgat ganatgatna      180
tgtnncttnt nanntgcntt gtnttatntn tnncttntat ttnntatctt nttttcnant      240
ttnttttttt gnttcctgnc tnnnttnttn tngngnttn tcttntttgt tgt          293

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<210> 47
<211> 258
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(258)
<223> n = A,T,C or G

```

```

<400> 47
tttctaatat gattacatga gtctacttta taaactggta taggctatgt aattagcccg      60
taagttactt aaaggaccag gggacctaat tttgtcagt tttccagtca cattggtgcc      120
attcaggact ccagctgttt acaggaaata tgtacttatc anaatagtat ttttccttga      180
ggnatnncan gatntttgcc tcattaccac ttgggnatta ttngntngca agnnngntaa      240
ncngcannnc cattgcta          258

```

```

<210> 48
<211> 271
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(271)
<223> n = A,T,C or G

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<400> 48
gagagagagg gctgctgga gagcataggg tctggaacac caggctgagg tcctgatcag      60
cttcaaggag tatgcaggga gctgggcttc cagaaaaatga acacagcagt tctgcagagg      120
acnggaggct ggnagctntn agggcttnnt gctntntaga tttcntatnc ncntcnnttc      180
tntnttttac cttnttttct actncttnnt ttttntttt ntgctnntnt ntnnnnttnt      240
nnttnncccn nttntttctn tncntcatct t          271

```

<210> 49
 <211> 291
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(291)
 <223> n = A,T,C or G

<400> 49
 aattcggcct ctctagagtc ttccccaggc cactccttca cactccttac tagcagcccc 60
 tgcttagcct ccacactacg gcctgggtgac ctgggtccatg gtgctcgccc tgggtgcttga 120
 agcctggnaa ggcgcccangg ctgtgggttcn nggatgtngc ttnagntaan angnnggtaa 180
 cccgggaann naattnanan tnnanaagng gggggctttn nttntattnc cnaaccntnt 240
 nctttancn tannntttgg cngntgnaaa aggtattcnn antnccttcc c 291

<210> 50
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 50
 gagttctaca ggtggagtgt ggggcccaga aggggctcag gtcttagggg tgcctctga 60
 aaaaacagag atggtgatgg gacaccagtt ctaggagccc tctgcatggc cactttctgc 120
 ctgagctctt ctaaagcatt tcttctgttc ccttccattg gggtaaccac tgatctgtct 180
 tccccaaaaac tgagtcagaa gttggacttt gttacttggc tcatctacat ttaagatata 240
 gtcagaaaaa aaatgcagtc tttacatctt aagaaagctt acatggggcca ggcgcagtgg 300

<210> 51
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(300)
 <223> n = A,T,C or G

<400> 51
 gttgttggtta ccgtgtgcca atgtgtccca tgtgggttgt gccaggtaga gaaacaggaa 60
 gtcaatcatc tgtgacagtc tctattctgt cgttttgctc cttgggtattt gatttgcact 120
 atatttacnt gannctgtt cactgtttaa aaccngaggn catcttnana ggcattggag 180
 acctggcttc nnaatgntgt cccancantn ctgnetnaan ctctgtntca tntccnttn 240
 ntgnngtggn ccannacnnt tattttnaat tngtatnnta atntanacnt gtttctcccc 300

<210> 52
 <211> 294
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(294)
 <223> n = A,T,C or G

<400> 52
 agaacacaaa acttgaaaga agttttatgc gtgtgacagt gtatggggct gcagttggtc 60
 tccctggagg ggacttccac acctcctgcc tttaggccat ggggtggaang tgctcnttgt 120
 tgtctccttt ntccctttt gtngcgtnt gnnntnttg nttntnttt ttagttntg 180
 tttctctctn nttntntnga ncttngttt ntntnnnnnc tttttctng cntgtngnnt 240
 ntcttngtn natattnnnn nnggttgcnt nttgggntcg tctntnttt tcta 294

<210> 53
 <211> 165
 <212> DNA
 <213> Homo sapiens

<400> 53
 gtggctttta tcatgcatga caaacccctg gctttcctgc cagatggtag gacatggacc 60
 ttgacctggg aaagccatta ctcttggtgc tgctactgcc ctcccacagt caccccaata 120
 ttacaagcac tgcccagcg gcttgatttt cctctgcct tcctt 165

<210> 54
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 54
 ctttgggaca gtgtgagtgg agcttggtgc cagttgtgca cacggacacc cggaacctc 60
 tcattaggag aagccactgc tgcgcaccct ggagatgggt tttgacctg ggctcccgtt 120
 aatgttggtg tggtccaga tgcctcagaa ataacttcca gagtcaacac catctgcgga 180
 agtgccgtga gacggtgcat gggctggaga cagagacagc cggcgccgaa catacctggg 240
 gctgcccgtg caaactgggg caagccctc agcctccatg tggtgcttt actatggaga 300

<210> 55
 <211> 264
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(264)
 <223> n = A,T,C or G

<400> 55
 ctgtgactgg ctgagctgct gtggccgggc tgggcagtgt gcccacacag ctgagtgtt 60
 tcctgacact ccagtgtctg ggggtgttga ggagcgagta ctctcttnt tccanaccaa 120
 gttcctnct ngggtttgcc ttganacgtn ttatgnttt nnancntatt nntctnnnt 180
 atnantttt anantntntn tnncttatta nantnnatnt tnttantatn tatagnnta 240
 tnnntntntn aanatatnat nata 264

<210> 56
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(300)
 <223> n = A,T,C or G

<400> 56
 ccccagattc ccaatccac cgcaatgttt ggcaagccta ggactgataa gtagctctga 60
 tagaggagct ggtggctttt atacttcttc ctgggttttt gttggggttt gttgtttcgt 120
 tgttttttgt tttttttttt gttnggttg gnaagnattg nnttnnacgn gngctatttt 180
 cagtaccana gtaancnaa ggtttnaatc nagttgcata aaacaccttt gcatagctat 240
 tnaatngccc aangtaaaac ttttaangcca tttcnaangc ttttaattcat ttttgaagta 300

<210> 57
 <211> 278
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(278)
 <223> n = A,T,C or G

<400> 57
 gtgtcccaag tgtccggagc aggcggcaga ggcctcagtg cggcaaacac aggccagag 60
 cctgtgtggc accagcagca tcttagagcc ccaggtatat gctgagatct tatctcacgc 120
 tgtctccagt tgtctgttgn gacnaanngn tgnnnctant ncnnnacacc ttnnnanttt 180
 gtatnnttgc nttnnntntn tncnncttna ntctnngttt naccngntat gctnngnnnt 240
 tntnttactt nannganata gtccacattc gctactct 278

<210> 58
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(300)
 <223> n = A,T,C or G

<400> 58
 gctaagcctt acacacttgt cctgtgcctt tgttgtcgta tccctatgta aataccttct 60
 ccaccttccc attccttcat ggatgacttc ccagaccttc ccaactcatct tttgaatgtg 120
 tttattgctg acttggaat gcatcaaaat cttttttttt ttnggccncn ggnntaacng 180
 nntnacaggg ggaanncccc nngaaancgn aaaactnttn geancnang tcnnnccngn 240
 atnttcangg ncagggatna ttggtggcna nagtttttnan gncnntaang ancctttaag 300

<210> 59
 <211> 262
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(262)
 <223> n = A,T,C or G

<400> 59
 aaaaagaagc cagtaaaaga tcctgagatg gattggtttg ctgatatgat cccagaaatt 60
 aagccttctg ctgcttttct tatattacct gaactgagga cagaaatggt cccaaaaaag 120
 gatgatgtct cccagtgnt gcagtttttc tcactatttn ctgcttantn tannntactg 180
 ngggngangc ttantgctgg ntntantgag ngntantatt nctgntnttt tgcgncntgn 240

nnnnnanttn ttttcagttt cc

262

<210> 60
 <211> 274
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(274)
 <223> n = A,T,C or G

<400> 60
 aaccggacgg acttgcccat cgccctcac gacacgcgtg cagtgggact ctagccaagg 60
 cggtagccga gccatcatta caatttttct ggagtaaagg atccacggtg ggacatcaac 120
 tggcacttac tctgtttagg aacttgagtt gaatcatttc taaactgtc ctttagacca 180
 cgcttagggc agcaaattcc acttcctaga actgcaaacc gggagaggat gtagntagat 240
 tntggcatnc tgccccggct ctttgaggga aaag 274

<210> 61
 <211> 268
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(268)
 <223> n = A,T,C or G

<400> 61
 gaaggatctc cttggttacc aaagacactc acatctttaa ttttggtggt tcgatggaag 60
 cacaggatat aattctctgc ctccttaaatt tgttgaaagt gctgcaaagt ttgacattta 120
 gaaatagaac tagggctgtg gggctttggt ccgcttttagc ggctttgttc tntgtcnttg 180
 cnnnctcact tnngtgcntn gagntcagnn natattatac annantgnnn nnnncnnanc 240
 nttangcagt nttgcagggn gcgacact 268

<210> 62
 <211> 289
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(289)
 <223> n = A,T,C or G

<400> 62
 ggagaccgtc actccagggt cattctggaa gcattagacc ccaggatgga gcgaccagca 60
 tgtcatccat gtggaatctt ggtggctttg aggacattct ggaaaatgcc actgaccagt 120
 gtgaacaaaa gggatgtgtt atggggcttg aggtgtgatt aggtaggagg gaaactgttg 180
 gaccgactnn tgccccntgc tcancactga ncncctctgan tgnttnnang cttntntnt 240
 tnnatacnnt atnncnattn ncnntttttt nntntttntt tnttttttt 289

<210> 63
 <211> 270
 <212> DNA

<220>

<222> (1) ... (270)

$\langle 223 \rangle$ n = A, T, C c

<223> n = A, T, C or G

<400>	63								60
aacactttct	accacactgt	gggaagcatc	gataaacagt	cataataatt	atcattctga				120
gtcactgcaa	gcgtggggtt	ggatgctggc	tctcacagta	tctctgttag	ggacctgag				180
cagccatgcg	cncctncang	cacggncgag	ctcaaccnga	agancnngcg	tgctccctgg				240
caggagcagg	atgcctgacc	acagantgat	aattattatn	acnggtatng	nngcttgcca				270
cagngtggnn	gaaaggntng	aatttcactt							

<211> 291

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

$\langle 222 \rangle$ (1) ... (291)

<223> n = A, T, C or G

<400> 64								60
gaataagggg	aggtttgag	tcctgggtga	ttgcttgga	tgccagcagc	atttgagacc			120
aaacaggggt	gtgaagatgg	gtgggtcagc	tcaccttgca	gagtgtagca	taaatgggca			180
cagccagaaa	attgctctct	cctccaaagc	tctctgattc	aggaatttgg	ggcntattgt			240
ggaacgttat	nacattcttg	tctctgngct	tactnttccc	gccattcatt	acgaacnann			291
agtttnnaac	gnggttctgn	tntcaaaagc	antgcacctn	nttatcatac	t			

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (300)

<223> n = A, T, C or G

<400> 65					60
attgtgttga gatccaccgc	tcacacgcgcg	tacaccacc	agtggcttca	ttctggctta	120
gccgcagagg caagaaaggg	accccacttg	ctcccatgcc	cacctcaaga	aaaaacataa	180
aacaattttt tttaaaaaag	aaaagaaatc	tacctcagtt	gacaggattc	nacctttang	240
gtnctctnnt cttttnnngt	ntngcngnct	tnctctnntt	ttcttnntata	ttctttnnnn	300
ttntntnntt tnttgcnnnt	nnncttgntt	tnntnnttnn	ngcttctctn	tttttatttt	

<211> 300

<212> DNA

<213> Homo sapiens

<400> 66
 gcctttttct ccgacgacca ggagccctac cctgtgactg atatttcgga cctgatccgg 60
 gattcctatg agaaatttgg agaccagtct gtggagcaga tcgagcacct acgttacaag 120

cacaggatca gggtcctcca aggccacgag gacaccacaa agcagaacgt gcttcgagtc 180
 gttatccccg aagtctcaat tcttcctgaa gacctagagg agctctacga cttattcaag 240
 agagaacata tgatgagctg ttactgggag cagcccaggc ccatggcctc acgccacgac 300

<210> 67
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 67
 atcatgctgc tagtggtccc gctactagtg ctccgtagt tttaaatacat gttccaactt 60
 gaatttgagg tcttttgact ttcgttggt tttgtcagg gaaaaaaacc tgtagggac 120
 agggtttcac aattcctttt atatttccat tcacatgtat ttacaaacgt gtgcctggag 180
 tagtaagtac acaataagt agtttccagc tgttttgtt tcggaaacaa aaaaaacaaa 240
 acaaaaacaa acaaaaaaac aacggaaggt gaatggaatt gtgtttgtaa cattaaactg 300

<210> 68
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 68
 ggcagacttc tcatccgtaa aatcaggaag ataacatgat tccaagggcg tcatgagga 60
 ttaaaggaag tcatgctcct aatttactgc ctggcacaca gacagtaaaa tgctcaatac 120
 atttatggaa ggaatgaagg actctggcag aaaaacaggt cagatgtgtc tgctgtggac 180
 aggtggctct gtcggtgccc ggtgagtgcc ctgggagtct ggcagtcacc tcctccgcag 240
 ccgtgtcccc aggtcacag gagccacctc aggtgggaag ctctctgcca gccttggaag 300

<210> 69
 <211> 255
 <212> DNA
 <213> Homo sapiens

<400> 69
 gctgcagcaa aaccagagaa tttcctcaag tggcctgtag gtcctctgtt atcttatgcc 60
 cccaccctc cctcaacaat atgagtgatc cagaactggc ccaaacacct cagctctggt 120
 ccctttttgc ccttcttggc cttactctgt tgttcaaagc cactttggat tgcttggtg 180
 cttcgaacag ccatgaaaag tagcctgcct gtggcattta gaggccaagc aattgacaga 240
 aagggtttct tctac 255

<210> 70
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 70
 attgtgcacc tctaaccctc tctagcaacc ttattgatac cattcagtgc caatattctt 60
 ccaaccaggt tgaggacttt tgatttgctg agaatgaaat tctgcatatc tttgcttgct 120
 actaatgcct gtctgctctc tgcttcacct tcttgccat tggatatgt ttggcactct 180
 gagagtatac agcatcaatt cattcatatc tccaatactc tttcattaag tctcagttgc 240
 ttgccagcac agacaaggta ctgcccacaa aagtccttgg aaaacaggca agatatatac 300

<210> 71
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 71
 agatagtga ggacctagag gttccacc agcacagtag ccctaagtag caattgaaga 60
 aaccagtaac cgtgtccaaa ggcacagcaa ctgagcctct catgctaag tctgtgtttt 120
 gccaaacaga gagtgttcca gcagaaagaa cccatgggag caacatagcc aagatgacaa 180
 aactgggct gcctggctct gccactctg cttactcata tgcaaaaacc aatggccatt 240
 gtgacccaga gatacaaact accagggagc tgactgcagg caacaatgta gaaaaccaag 300

<210> 72
 <211> 261
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(261)
 <223> n = A,T,C or G

<400> 72
 ggcaaaaggc atctgctgga gctggtagc ccagcttggt gcccccaaa gccagagtag 60
 gaggtgaga ggaagcaggt gtcctcctag gaggtttgag tcagaaggca cgaggcagaa 120
 gcagtggggg aggaactcct cagtagagcg aggaggaggc ccctcatcca agaggaggtt 180
 ggagcacagg ggggtctagg ttgcagttt cnggaccggn agctnangng tcccanggcc 240
 tttntntgt ttnganaatt t 261

<210> 73
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(300)
 <223> n = A,T,C or G

<400> 73
 gtgccccag ccagggtgag cccctttccc agaactgcct caccacccag cccttgtgtg 60
 atcctcatgt ctctgcccc aggaccacat cctgagcttg ggtgccgact tcacctgat 120
 ctccctcggc agcatcagga gaaagtggag cggntgttan aggtgtcang tgaanntnc 180
 ttgngnttcc ttgntncttn ncntattatt tttngttant atncntngnn tntttaantn 240
 tntttttant nttnnntnt tntntttnt tctntttat tgtntntat tntttttttt 300

<210> 74
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 74
 agacgttgca gcaagtggac aagtggcgc tgtgcgggcc cctcgcttgt agtgagctgt 60
 tgcagcttac ggtccgttcc ctggaggggg ggaggagtga gaggttgtgc agcatcaaag 120
 gtgctggggc atcccagggt ggtgagatcc atccacgac cagctccggt ggagaaaagg 180
 cccatgtcaa gccttgttct gcacccaag cattggtggt aggaactgggt cctggctgat 240
 cgctccttgtt cccagtgggg tacatgtgag cccctgccag ggccaagtcc ttctcccgaa 300

<210> 75
 <211> 247
 <212> DNA

<213> Homo sapiens

<400> 75

ccgtgectcg	ctttccctgt	ccccgcct	atggacaccc	ctggctcagg	ccagtgtgct	60
tgtcccagca	tgcgctcat	ctcctgtttt	tatttgatgt	tacagatttc	atttcattag	120
gaatgagtgt	ttcctccccg	acttttgct	gcattatttt	gccagctcct	ccctggaaaa	180
gggcaggggc	ggacactttc	ccagcctccc	accgtgctct	gttcctagt	gcacctgccc	240
cagggtc						247

<210> 76

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(300)

<223> n = A,T,C or G

<400> 76

tgcttggtt	cggtgctgac	cgccggtccc	ctttcttctc	accacagtgc	ccatttttca	60
tccagggaga	acctcggggc	tgggacacct	cctggccctc	accctgggtc	atgtttacag	120
tcctcagtgc	cccacaccgg	tggcccccctg	aggacacctc	cacctgacc	ttgattttcc	180
caaacgctgc	ctcttggtga	cagactcagc	ccaaaacccc	ttccttctgt	ctctggagac	240
ccttgagctt	ggggaaatat	ggaaggngtg	tgtgtctgca	atcaaggcct	ctgcagctca	300

<210> 77

<211> 292

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(292)

<223> n = A,T,C or G

<400> 77

gcctgcataa	ggtttgatta	ctcaggagtt	ggaagttcag	atggtaactc	agaggaaagc	60
acactgggga	aatggagaaa	agatgttctt	tctataattg	atgacttagc	tgatggggcca	120
cagattcttg	ttgatctag	ccttggaggg	tggcttatgc	ttcatgctgc	aattgcacga	180
ccagagaagg	tcgtggctct	tattggtgta	gctacagctg	cagatacctt	agtgacaaag	240
tttaatcagc	ttcctgttga	gctatnaang	gaagtcatat	gnnagggtgtg	tg	292

<210> 78

<211> 277

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(277)

<223> n = A,T,C or G

<400> 78

gctttgcaaa	ccacatacat	tattatcact	tacagtctgc	agaactactg	aattccaagc	60
tgctcgggtg	gcaggagacc	tgtgttgatg	ccatcaaagt	gccagagaaa	atcatgaata	120

tgatcgaaga aataaagacc ccagcctcta cccccgtgtc tgnaactcct caggcttacc 180
 catgatcgag agaagcnntg tggtttgnt ngaanncgac tcgnnntcat tgctnagggg 240
 gngaggcggt tcgnnnttag gcttaagnta ttgtggg 277

<210> 79

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(300)

<223> n = A,T,C or G

<400> 79

gccaaaggctg tactgcggt gctcctgctg ctctggttca aggctggcct ccagacttca 60
 cccctatcg ttccactgga cagagagacc caggcacagc ccccggtgg tgaccacagc 120
 cctggcaacc atgagcagtc ctacgtggg aagcgggtcaa accgggtgg gcgaaccctc 180
 cagaacacgc cgtccctgca ctccaggcac tggggagctc cccagnancg ggagggacnn 240
 cagcancagn atnncgannn gctnagtgcg ancnnacccc ncttgngct gcaggatacc 300

<210> 80

<211> 300

<212> DNA

<213> Homo sapiens

<400> 80

gagcgacgaa cttctgagac aggtgtgggt gcgagggtcg gtagggtcat gggattggga 60
 ccgaggtgtg aggaggaat ctgcaattcc ttgctacaca gagcgctggc aacttctgac 120
 aggtgtttc tggggtatgg gctgcctcgg gttgttctg ttacaaggaa agaaaagagt 180
 tccctgccc accgcctccc agccactggg ctacctctg gcaggaaatt tgcaaactga 240
 gtttaacaag ttaggatcag cagagggtag aggagggccc tggcagatgt ggggtctaga 300

<210> 81

<211> 300

<212> DNA

<213> Homo sapiens

<400> 81

aattcggcgc ggtgagtgg gagactgct tgggcgggt accgggcatg actcttcgtg 60
 acgattctga gacccccct tcccccgaa ctctccagc ccgcagagtt ctatctccag 120
 gtggaccgct tcagcctgct gccacggag cagccccgc tacgggtgcc tggttggtaa 180
 gtgatgcctc cgcccaggag ccctgctctg tctgggtgag catagccct ctgcagctgg 240
 agggtagaac aagggaaggc tgaggtagag ctgggagga gcatgggtag ccttggtagg 300

<210> 82

<211> 300

<212> DNA

<213> Homo sapiens

<400> 82

ggaggatgtt ggcaagcagg tgtggcggg cgccctgctc ctggcagact acatcctgtt 60
 ccgacaggac ctctccgag gatgtacagc gctggagctc ggggccggca cggggtcgc 120
 tagcatcatc gcagccacca tggcacggac cgtttattgt acagatgtcg gtgcagatct 180
 cttgtccatg tgccagcgaa acattgcct caacagccac ctggctgcca ctggaggtgg 240
 tatagttagg gtcaaagaac tggactggct gaaggacgac ctctgcacag atcccaaggt 300

<210> 83
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 83
 aggcgcggtg ccccgagtg gggcgctgc actctcagct tccacacct caccctaccc 60
 ctacatcgga ccccccaag tatgtagggt gggcagaagc cacagtcgcc gccgccaggg 120
 gcttgctcct ggctctgtcc tttgcttccc tccgtcctcg ctcaagtgtg atccagcagc 180
 cccctcccc actgcctccc cagctctcag tgaccccgac tgtctcctga cttagccgag 240
 ccccgagac accttgagga ggccgctcct tcccagacac acccccacgc cccactgga 300

<210> 84
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(300)
 <223> n = A,T,C or G

<400> 84
 gtgacttctg ctatccatgt tgaggttgca gaacttgaag ctaatttacc ttgtacatgt 60
 aaagtgcatt ttctgatcc aaacaagctt cattgttttc agctaacagt aaccccagat 120
 gagggttact accanggtgg aatatttctt ttgannctt ttnttcnnta nagtatncat 180
 nttatnctn cnaatctnca ttntctganct anttanatnn cacttnaata cnttcncttg 240
 annctctct tnnnnnnntn nttctnntnn nncctntan tanatcnntt tatatctctc 300

<210> 85
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 85
 cgtagagggt tgagaaatga cttgaagagt catgtgtgtt ggcacgttta tggccttctt 60
 cagagggtcag acaagaagta tgatgaagcc attaatgtgt acagaaatgc actaaaatgg 120
 gataaagaca atcttcaa attaagggac ctttctctac tacagattca aatgcgagat 180
 cttgagggtt acaggggaaac gaggtatcag ttacttcagc ttcgacctgc gcagagagca 240
 tcatggattg gttatgctat tgcttaccat ttattagaag attatgaaat ggcagcaaag 300

<210> 86
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 86
 ctacgggttc ccgtcaccaa ttttctcttg aattggacag atggcagcca ccataatgat 60
 actatatgtg tccaagctaa acaaaatcat tcaacttcct gattttgata agaaaattcc 120
 tgtaaagctg ttctctctgc ctctctcta cgttggaac cacataagt gattatcaag 180
 cacaagtaaa ttaagcctac cgaatgtcac cgtgctcagg aaattcacca ttccacttac 240
 ctacttctg gaaaccatca tacttgggtg attttgggtt tcctccattc ttccagtgtg 300

<210> 87
 <211> 295
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(295)

<223> n = A,T,C or G

<400> 87

tggaggaagc agcagggaag acctggcgct gcaaaatgtg caggctcgaa tacggatggt	60
cctcgcctat ctgtttgtc agttgagcct ctggtctcgg ggtgtccacg gtgggctcct	120
cgtgctggga tccgccaacg tggatgagag tctcctgggc tacctgacca agtacgactg	180
ctccagtgcg gacatcaacc ccataggcgg gatnancang acggacctca nggccttcgt	240
acagttctgc atccagecgt tccancttcc tgccctgctg agtttctggt ggacc	295

<210> 88

<211> 300

<212> DNA

<213> Homo sapiens

<400> 88

atccaccgtc attccccaat accttagttg tagtcaacta actagatagg ctgccgaaga	60
tggtttaact gtgtccagct taactacagc caggcttttg aatgcctggc ctatgtctgt	120
aaatgaaatc taacaattta ttgtataacg ttgttaaaca tgaagcatga tgttgccct	180
ggataaaaca ttttaaattc tcgtcgttca taccagaggc tcagtaactg accggttgaa	240
agaaaactgt tcattgtaac ctaatgatgc tagttagata gcattagatt atgttagaga	300

<210> 89

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(300)

<223> n = A,T,C or G

<400> 89

gccttttgtt gtgaagttgc tcatcattta ggagtgttta attctaaaaa gccttcagcc	60
taagaaagct tcatctgttg ggaccagaga cttgttgctc agggagttag tgatgggact	120
tgggcatctg atctgcaggt gacaagtta gttcaactga agttgtaggg aatttagaca	180
gttgacatc attgccgttc taggggcctt gtagaaagat gaaacagttg tttttcattt	240
accagcaect ctcagttata naggtnatgg aacnttcnct tactttgnat catcattcct	300

<210> 90

<211> 300

<212> DNA

<213> Homo sapiens

<400> 90

acctttacct gcaacctggc tgagaatgtg tccagcaaag ttcgtcagct tgacctggcc	60
aagaaccgcc tctatcaggc cattcagaga gctgatgaca tcttgacct gaagttctgc	120
atggatggag ttcagactgc tttgaggagt gaagattatg agcaggctgc agcacatatt	180
catcgctact tgtgcctgga caagtcggtc attgagctca gccgacaggg caaagagggg	240
agcatgattg atgccaacct gaaattgctg cagggaagctg agcaacgtct caaagccatt	300

<210> 91

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 91
 ggatcctcca ggctgccggc tgggaaggcg tgggcgaccc ggtgtgtggc gcgcccagag 60
 cccgcgcttt cagccctagg gaaggaagcc agttgagga agttctccat gaatgtacgt 120
 cacaatgatg atgaccgacc aaattcctct ggaactgcc aattgtctga acggagaggt 180
 agccatgatg cccacttg tgaatggaga tgcagctcag caggttattc tcgttcaagt 240
 taatccaggt gagactttca caataagagc agaggatgga acacttcagt gcattcaaga 300

<210> 92
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 92
 ataagcagtg gctttcaaac cgtgtgctct aggactggct gggccttgga gaggcgtcag 60
 tggcgccctg gggaaacagg gcaccagagc aatgggtgag gtccagcctg tcctgctcac 120
 gtcagccagg gcacatccaa gtctgtgtgc agttgactgt tgggttctct gattagagtt 180
 tgtgagggac gagggaggtt tttaaaccca cacaacaca gcatttattt tactgcagat 240
 actgtttgaa gtgctgtatt agttcgtttt cacgttgctg ataaagacat accagagcct 300

<210> 93
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 93
 ccccttgaga tttctggctt tttgtaggga cctcagttcc attttccaa ctcatgggtt 60
 ctcaatacct taactatctt ttatttgtca aattccaagt cctcaactca cccaccacta 120
 cctgacccac tgcagtcacc acaccaccct acccactttc ccagggatgc tttatgatta 180
 gcttaaatac tcaccattct gatttgaat gccgccccca cccctttttt ttgacacctg 240
 ggagtttctt tttctttctt gtaagatcag cattacacaa acaagacat ttttcttatt 300

<210> 94
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 94
 gctgcatctg caatgaggat gccaccctac gctgcgctgg ctgcgatggg gacctcttct 60
 gtgcccgtg cttccggtgg gtgcaggtgg aatgttctgt gcgagagctc aagggtgcc 120
 tggatccctg acttgtatcc ctttgttcca cagagagggc catgatgcct ttgagcttaa 180
 agagcaccag acatctgcct actctcctcc acgtgcaggg caagagcact gaagacaccc 240
 tggtcctccc ggaagggcag tcccacaggg agcggcacc atttctgggc ccgcccacag 300

<210> 95
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 95
 gtgaggaaag aaatagtcag taaattgatg cgatccctaa aaagggcagc attgcagcgc 60
 ccaggcataa gacgtgtgat tgaagatccg gaagataaag aaagtagact aatcatgttg 120
 gatccctata aaatatttac tcatgattcc tttgagaaag cagaactcag tgttttagag 180

cagcttaatg tcagtcacaca gatctctaaa tacaatttgg aactaacata tgaacacttt 240
aagtcagaag aaatcttgag agctgtgctt cctgaaggtc aagatgtaac ttcagggttt 300

<210> 96
<211> 300
<212> DNA
<213> Homo sapiens

<400> 96
gcttagataa gtcaaatgca gtagacaatg gatagtcac acagattttt gtacatggga 60
cttcacatac ctttaattgaa tatccatcgt gtacaaaata ttgctcaagc aatgtaggaa 120
tcaagggaat aaaagcttat tctgatatta tagagcatat aacagccatg taaatatgca 180
tggtagatag aaatcagttc tatgatggat gtaccagcaa agttgcagag cattatatag 240
agttgctttt gatatgagcc ctagaataaa ttgggataga gagggagtgt gggaatttga 300

<210> 97
<211> 286
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(286)
<223> n = A,T,C or G

<400> 97
ttttcttggg gacattccag attgccatat tactttattt taaacagcgc tatgacttta 60
aatccaaggc tgctcggaag atttttttag gtctctcata agcctattct tccctgatca 120
catgagtggg agaggttaagc ctnattttga angcccttcc tgngnnnnna nannttcnnn 180
nccannnnn tnnngaagan tntttnnngn tnnncanttg ccattnttcc ntgnnnnnnn 240
nnngnnacag gggnncaant tnnnannccc ttttnggggt tcccaa 286

<210> 98
<211> 300
<212> DNA
<213> Homo sapiens

<400> 98
atctctcagg aaggctttga acaaatgaaa gcagcagcca tttcagcaag cggggggccac 60
acctaagggt actcgagagt gaagattatc tcagaagttt agaatcatga cacttcgggg 120
aagataggat cagggatgaa tgggagacgg gggcttaagg gagagcttag aagttagaa 180
tctaagagag aaagggtttg tttttgggga gagggattat gtatgatatt taatagcacc 240
tgcaaaacttt aagatagctg gggggttctc agtaactaag gaggggtcctg accctaaaag 300

<210> 99
<211> 287
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(287)
<223> n = A,T,C or G

<400> 99
ctgcattgtc cactggacgt tttagtcata ttcagacacc agttgtttcc tccactccca 60

gacttaccac atctgagaga aacctgacat gtgggcatac ctcagtgate cttaatagaa 120
 tggcccccgt gcttccaagt gtcctgaagc tgccagttag atctctaaca tactnnantg 180
 caagataagn caagagantn accgagattt tgnccnccgan annntactnn nnttganttt 240
 gntgcnatnt antaactnct ggannnnnna ntntcnatnc atcccccc 287

<210> 100
 <211> 263
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(263)
 <223> n = A,T,C or G

<400> 100
 ctccctcttc tatacccttc tctatgtttt attgcataaa taggaaacat tgttgaaaag 60
 actttccttg taaactgttc tgaattttac gtttatcgaa atatctccaa agactcaatt 120
 tagaacttta ttatgccctt atttattnaa catttnttng gaacnaacat gtatatngcc 180
 cttangtngg cnnnngcnag nggtanann ngngagntct naatgngngn nnaannngnc 240
 ggnnggntcg gtnggngna tgt 263

<210> 101
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 101
 gtggccaagg gtggggccaa gactccacat agatccaggg gctcattcca tgatgctctc 60
 atttcctaga gtcctccagg tgtacaggga attgtttcac tgacagacag gccaggatat 120
 ctcataagct tcttgggacac aagttggagt ggtatgggtg gaattccagc acaattaggc 180
 atatcgtggt tgggtgaaca caaccataca agggggagag gtctctacca gtggcctgtg 240
 cagtccctgcc atgttctttc ctggtcaatg ttttaaatga taacttgga tactactaaa 300

<210> 102
 <211> 290
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(290)
 <223> n = A,T,C or G

<400> 102
 gtgcgtctag aggaaatgta ctgttttgca gataataagt attgatcaga catgcatttt 60
 tacctctgct gtgggatttt agtctcatta ctttgttgat ctactttgta gttaacctag 120
 agaagttaac acagccattg ctacagagct ttctgccact tgagttccag aattccagaa 180
 tccagtttcc tagggattgt ggggagtaaa aagaggtata gggatgggtc cctgtatggg 240
 agcaatacng nctttattga ntagtgtcta tattgtcttg tgactcaggt 290

<210> 103
 <211> 293
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(293)
 <223> n = A,T,C or G

<400> 103
 attttttgac aggattttat tttgtgtgca tgcattctgc tccaagtgtc acaattctgg 60
 ttacaataat tataatatat ggagttacta ctaagacttt cctgaaagag gtgtattgta 120
 ccaaattttg taacatatnn tntactaan tgatcntana gcttntana ttntgnatan 180
 ggnatgtgnt ancancncnn nncnttnaac nggnttttnn ngtcggntnt gntttctnnt 240
 ngntgggtgnc cnatnnnnnn tntttntnn gttcnttttn gnnctnttgt ttc 293

<210> 104
 <211> 299
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(299)
 <223> n = A,T,C or G

<400> 104
 ggctgcccc gcgtagcag cctgtaccag gtctatgacc cgctctgccc acggctgtgt 60
 acgacatcag accaggcact ctcagggccg ctctccagct caccacagtg tctccacgtg 120
 ccttaccctt tctccttcag gccaaagttc gcggngtgct naattaatac gagcacnagc 180
 aanaaattgg acnggcangn aagnntntnn agacacctaa gataaagtcc ggancccaag 240
 gctttanctt aaccatgtat ggtaccccat tcattcatcn agaaaaccct caacagctg 299

<210> 105
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 105
 cccgcctcgg cctccaaaag tgctgggatt acaggcgtga gccactgtgc ccggccttca 60
 attttattta ataattatgc atgtgtggga tgcaatgtga ttttttgata cgtgtataca 120
 atgtgtaatg atcaaattag ggtacttagc atacctgtca cctcaagaat gtttttcata 180
 atattttatt tgtaagataa gcattcttcc catgtgcaca acattgctgg gtattgttaa 240
 gagatcatga aaacacacaa tccttattga gaaggtggcc aggtgtgggtg gctcatgcct 300

<210> 106
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 106
 gactcttttt tcctttgtat tttctttctc agtctgatct gcttcctgac ttcttgga 60
 ccctccaaat ttcttgattt ctaatggcac tctttctaga tttctagccc tgtacgataa 120
 tattctttca tcatttcagt gggcttttgg agggaggcgg agatccaggt gatctgtcta 180
 cactattcag tcagaaagct ggatggtttt tctcactgtt tagctgtgac tcatacttag 240
 aaagtggttt aaatgtgaat atcttagttc tggttgtaga attgaggtaa tcctcaattc 300

<210> 107
 <211> 289
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(289)

<223> n = A,T,C or G

<400> 107

tagaggttgg aaaggagtca tgaggggtgg gaaactagca ggggcacatg gaagctaggg	60
aaagaatttt gcttgagatc gtcaaagtga ggggaagagg gtagtaagca aaggagaaat	120
gttatatggg gttcggaggt tttagntcta ntntnnccct nttnatctgt tctttntntn	180
gtnnngctctn tnttntctcg nnagcntnct tctctntnct nnatnnttat ntngtcctc	240
gtntgtntct cncnnenttc nctntcttct ttntctnnnc tntccctat	289

<210> 108

<211> 295

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(295)

<223> n = A,T,C or G

<400> 108

ggtagaagga gcctcctcaa aggcagtgtc gggcacccac ggggtgtgtg gatactggag	60
tttgagagga gggaggtgtc gtggccttgg atactctaaa anagtngtaa ntntcactnn	120
tttgtgncta tannntnntn gtacttctgc tcaacnnnnc ttantttact gagnntattn	180
nnncngnact ttnatnntan tnatntnec nttatnecct tactntnca cntntgtctn	240
ccttattgat anctgggtctn atnactttct nccntcattg ttnttcttac ttttc	295

<210> 109

<211> 300

<212> DNA

<213> Homo sapiens

<400> 109

gtcccaggaa attcctcccc ttattcttcc ttgaagtgcc cgagcatgta gggcaagaag	60
gaaggctgaa gcgctgtccc taggaggaat ttctccttca ggggagcctc agttttgccc	120
atztatctaa ttgaatcagt tttttaccca atccccgat tttgtaggat aatctccctt	180
atctaaagtc aactgattat ggactttaat cacatctaca aaacacttcc atggcgacag	240
ctagatgagt gtttgaataa ctgggactgt agcccgcca agttgacaca taaaactgac	300

<210> 110

<211> 286

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(286)

<223> n = A,T,C or G

<400> 110

tgtttttacc taaatgggcc cacgtggcag catgattttt gtccttttagc gccctgcttt	60
ggggagcctct ctgtgtgtgt ccgtatagct tcaattcatt ctccaaccc ggtgcctttt	120

```

ggctctataat ggagatgggtg cagntnattt cttngcactt gtcacaacgn nncncctaan      180
nncncctggg aatnnnancc cncataacc tttanacatt taanaaatnc atatttncgc      240
atgncnaaac gancnnnana cncnatgnaa atctcgcaat atcata      286

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<210> 111
<211> 269
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(269)
<223> n = A,T,C or G

```

```

<400> 111
gggcaaccct ggctctatca ttttcctttt ttgccaaaag gaccagtagc ataggtgagc      60
cctgagcact aaaaggagggt gtccctgaag ctttccact atagtgtgga gttctgtccc      120
tgaggtgggt acagcagcct tggtnctctt gggggttggn annannaacc atggnnncgt      180
gannactnnn tccagatggn tttnannnnn ngncntcttc ntccnnatn ctnntnntng      240
nnttnagnct gtangntctt nctnnntcg      269

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<210> 112
<211> 300
<212> DNA
<213> Homo sapiens

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<400> 112
cccaaactta atgaagaact actcagcaag caaaaacaac ttgagaagat tgaatctgga      60
gagatggggt tgaacaaaagt ctggataaac atcacagaaa tgaataagca gatttctctg      120
ttgacttctg cagtgaacca cctcaaagcc aatgttaagt cagctgcaga cttgattagc      180
ctgectacca ctgtagaggg acttcagaag agtgtagctt ccattggcaa tactttaaac      240
agcgccatct tgctgtggaa gcactacaga aaactgtgga tgaacacaag aaaacgatgg      300

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```

<210> 113
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 113
gaactgtccc cgttatctc tgtocatata gcaacagccc ccaatggccc tgaccacctc      60
cctccccagc agaacgcccc ttcgtgggtg tgaataact ttctattctg gtcagcacca      120
agaatgcctt tttcccttct gcaggctctc cagtgtattc ccttaagaat gcccctttca      180
aagccacccc cccatcgag cggcacagct cctctagag ttccttcaca ctacatcct      240
ctcccgctc aggtagaaat atccgcctgc ttagctccag gctcccatga catactcccg      300

```

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<210> 114
<211> 300
<212> DNA
<213> Homo sapiens

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```

<400> 114
cctaggcccc ctggacctgg tctttcagac acatttagcc gtgtttcccc atctgctgcc      60
cgtgatccct atgatcagtc tccaatgact ccaagatctc agtctgactc ttttggaaaca      120
agtcaaaactg cccatgatgt tgctgatcag ccaaggcctg gatcagaggg gagcttctgt      180
gcacttcaa actctccaat gcactcccaa ggccagcagt tctctggtgt ctcccaactt      240
cctggacctg tgccaacttc aggagtaact gatacacaga atactgtaaa tatggcccaa      300

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<210> 115
 <211> 295
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(295)
 <223> n = A,T,C or G

<400> 115
 gctccagaca gctcttctgt catttcacca ggtccaaaca ccagcaccaa ggctcccatg 60
 aaatatcccc ttatttccat ctcaaatcct tacctatcaa ctcttgccc agagaacctg 120
 gaataacata ttacttcta gtccttttca atgcattttc cccttggggg aggtgtggga 180
 gggttgtgag tgagtacntg aaagannatc ntacngatng accatntttg anggtnnctc 240
 anagggataa atanatatag ntaaccgatg nnnnnncnnc nggagaaacc atgat 295

<210> 116
 <211> 269
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(269)
 <223> n = A,T,C or G

<400> 116
 ccccccgcgt ctcccgaggag cgctgcgcgc acctgcacgc gtctggcaca caaacgctcg 60
 tctcacccct tagtttctgg aagagaaaaa ggaaaagcca ccgagaggcc tgacctgag 120
 gggtcggtn gtagtgccgn cncgtattat aggggaagcga ttgatgagcg ttgactgttc 180
 atcatntnaa ntgtatgntn tnattttntt tttttnttat tatttctttt tttatttttt 240
 tntttttnt ttatatnnt tttaattta 269

<210> 117
 <211> 266
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(266)
 <223> n = A,T,C or G

<400> 117
 gtttaccctt ggtttattgt gattatcatg gccattcccg aaagaagaat gtatttatgt 60
 atggttgacg catcaaagag acagtgtggc ataccaatga taatgcaact tcatgtgatg 120
 ttgtggagga taccggatac aggacattgc ctaagatact gagccatata gccccacat 180
 tttgcatgag cagctgtagc ttcgtantgn aaaaatcttt gactcnnnngn tctgtnttnc 240
 tcanntatag gaccacttg aacaaa 266

<210> 118
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 118
accatctttca ctctctggga agaaataagg tgggttacca tttacatccc agtgataagg 60
gccagtttga tcattccaaa gatggttggt taggccccgg ccctatgccca gctgtacaca 120
aagcggcaaa tggacactca agaaccaaga tgatatcaac ctccatcaag acagctcggga 180
aaagtaaaag ggcacaggg ctgaggataa atgattatga taaccagtgt gatgttggtt 240
atatcagtca accagtatta aaggcctgcc tgatatataa ccctcgaatg caacacagtg 300

<210> 119
<211> 283
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (283)
<223> n = A,T,C or G

<400> 119
cctccatgaa ggatattttt ggagtcgtag gagttacatc tgctaacatg cttattttca 60
ttcttcttcc atctctttat ttaaaaatca cagaccagga tggagataaa ggaactcaaa 120
gaatttgggc tggccttttc ttgggacctg ggggtgtgtg ntctngtnnn tnantntntt 180
ggggnttnag nnctaannna gntcnnnggn ctnttttnag agatangggg ntctttgctt 240
ctngnngntc centtttttn ttgnnncnca gnngtgttgt ttt 283

<210> 120
<211> 300
<212> DNA
<213> Homo sapiens

<400> 120
ttcagtagca ggggcccggc gtggctccca tcctccggaa tctgcaaaat ggctacttct 60
tcagaaataa tggggagagg gatggcaaga ggccagagat caaggccctc gagtattaac 120
ttgagcattt gggcacaata tagacacttt tggattttcc cgtcttttcc aacaccaagg 180
atgagattat caaaagatgt gttaaattaa tttgtaccgg ccgggcgcgg tggcttacgc 240
ctgtaatccc aacacttttg gaggccgagg cgggccgaat cacaaggcca tgagttcgaa 300

<210> 121
<211> 300
<212> DNA
<213> Homo sapiens

<400> 121
cacattattc cttttccatc ggaagtggcg ctctgctcatt caactcgttc ccgctcatgg 60
aaccctcttt taaaaagacg cagggcacct gtgagcgag gagcgagcct aaggcctccc 120
agcggcagcg cccgtgtcct gggcactcag cgtgctgggc agagcaggtg cgatggcccc 180
agtcctagca gccctcgccc atgtcctgtg cccttacatg gctcccgac tgtgcaggga 240
gccgatacgt ttgctgatag caatactgga accaccgggt gcgatggcag tgaggagact 300

<210> 122
<211> 299
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (299)

<223> n = A,T,C or G

<400> 122

aataaacc	caaggcca	tttgaatggg	tccacagctt	ggtacaagtt	cccatgctat	60
gtgcagaacg	aggtgccc	caagcc	tggattaatg	ggaccaac	ct agctgggcag	120
tcttttgtgg	ctgagcagtt	gcagattgaa	tatagctatc	cttttacttt	tccacctggg	180
ttgtttgcac	gctacagtgt	ccagatcaac	agccatgtgg	tgcacaggtc	ggatggaaaa	240
tttcagatnc	ttncctatan	aggnaaagnn	gctgtgggnt	ggnagnatan	atgacctag	299

<210> 123

<211> 293

<212> DNA

<213> Homo sapiens

<400> 123

ggccagccag	ctgctcacac	tggacaccac	ctctatcccc	ctgcgcctct	gccctgtcgc	60
ctcctgccc	gacgccc	gcc	tgctggccc	gtgcgagggc	ggctgtctgt	120
gcggctggac	cagcccaaa	agaggagggt	gtgtgaagtg	gaattcatct	tctctgagg	180
ctccgaggca	tctggacgga	gagtggatgg	gctggcattt	gtgaatgagg	acatcgtggc	240
ctccaagggg	agcggcctgg	tcaccatctg	cctgtggagc	tggaggcaga	cgt	293

<210> 124

<211> 208

<212> DNA

<213> Homo sapiens

<400> 124

aggccagtgt	gggacagggt	tgtgtagggt	tgcatttcaa	acacatttat	tattcagaag	60
tggtgcagat	aacgcttaga	ttacaccgaa	gaatttaggg	aggggtgggg	atgaaggctc	120
gttagtaacc	agaaacacat	tagttgggca	tcagtgaagg	gcaacataaa	ggaatggttc	180
ccctcaaaaa	cgaacaaacc	aaatttta				208

<210> 125

<211> 300

<212> DNA

<213> Homo sapiens

<400> 125

gtgaactctg	cacagtcctt	gtatatcat	tggaaaacag	cagtgtctctg	gaatagttat	60
tttttgaaat	gccctgagca	gttaggaaag	tgatgaagg	tgaagtgcgg	agagggaaga	120
ggtggggcct	gatgcagttt	gctgggggtg	caaccacaca	ctccctgtaa	ggcctgaagc	180
agccagtgc	atgtttctag	ttggaaggca	gatagagctg	tggagggtgt	ggcatgatta	240
ggctctggctg	ggaataaggt	tgcttggcag	tgtattattt	attcgctaac	tttggtggcc	300

<210> 126

<211> 300

<212> DNA

<213> Homo sapiens

<400> 126

gtttatgggt	ttacattgtc	atgtctccac	aggacaatgc	acatgggtatg	tttgtcagaa	60
cccagttgga	gttttgtttc	ccagcatcca	aaggaaatcc	ctaactttca	ttttttcttc	120
ccgtaagcag	ccccgaacac	ttacttataa	gccatctcta	cctgaattag	caatcatgga	180
taagctcaat	aactgatcat	ttccttatca	gtttaaacca	tatatatttt	aacactgtct	240
ctttttcaca	cacactagtt	agctaagaat	gagctggggg	gctgggcgtg	gtagttcacg	300

<210> 127
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 127
 gtaaggtaga aaaattcctc acatgggtta ataaaccaat ggatgaagaa gcatcacagg 60
 aatcatcttc tcatgacaat gtgcacgacg ctccacaag tagcgattca gaggaacaag 120
 acatgtctgt taaaaaagggt gatgacctac tggagactaa taatccagaa cctgaaaagt 180
 gtcagagcgt atcttcagct ggtgaacttg aaacagaaaa ctatgaaaga gacagcttgc 240
 tagcaactgt tccagatgag caggattgtg ttactcaaga agtgccagac tcccgccagg 300

<210> 128
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 128
 gtgtggagtg tcccaagcac agcaggcagt cagggtggcc aatacaagggt gctggcagtg 60
 aagtgggggc agactgagcc tgtgtagtga agtgtcttga ggaacgtcag ctgtatcttt 120
 taggaaacca aaactgcata gacattgaac ccaggcagaa ggatcatgaag tcagagctaa 180
 gaaatgctag tggggatagg gggtagata gaggttggga atgtttcaga gctacagggtg 240
 acagttgttg gtgtccagtt ggatatgtac catgaaggga agaagcagtc agagtgggca 300

<210> 129
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 129
 atccctcttt gcagaaaagg ttatagaatg ctgttcttta taaccaaaga acttacataa 60
 gacaacattt ttgctgtcca ctcttttgtg tgaacatgta tgtttgactg caagtttggt 120
 gccataattc ccttggctac caagccacgt gctgccattc tctgtccttt gtttcataag 180
 cacactgaga aatctcacag ctatattctt tggctctcca cctgcccctc cacctgtgta 240
 cttgacattg tattataact gttgacaatg actgggggtcc tgactccaca gttgcctgga 300

<210> 130
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 130
 ttgcgtcacgg gtaattatgt gctggatcga gatgacctgg tggaggccca aacacctgag 60
 tatgatgtgg tgctctgccc caaccctggg cgctgatatg caagagaaag actcttacag 120
 aaacgatcta caagaactac taccgaatcc aattgaagcc agagcagttc agttcctacc 180
 tgacatcccc agacgtgggc ttctccagct atgagcttgt ggccacaccc cacaacacct 240
 ctaaaggctt ccagcgctct gtgtacctgt tccacaaggc ccgatcccc agccactaag 300

<210> 131
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 131
 ggtggaggga ggcagccggc atggcatggt gaggaagggc catggaagag gacagaacct 60
 gtccacggag tcaatgctga ggaaggaaga cggaggatga ggccagtcag gtttttcgtg 120

gtggcagtgc	cttatgtttt	tatcgaagtg	tatattcaca	cagaaaagca	catctcccag	180
gatcctgaga	gagcttgaac	cagaccactg	tggacacggt	ggccaccggt	caccactacc	240
cttcccaagg	ggagacgagg	agcaagtagg	cttgagggaa	aagctgcaca	ggactcgtgt	300

<210> 132

<211> 300

<212> DNA

<213> Homo sapiens

<400> 132

atttgaggat	ctcgaccttg	tccttccagc	aggtgctccc	aagccacctc	tgggcctgag	60
aataggcatc	acatgactct	gtttaatcct	ccgacacagc	aaggatgccg	ggaagcaggg	120
caaagtgggt	caagttatcc	ggcagcgaaa	ctgggtgggtc	gtgggagggc	tgaacacaca	180
ttaccgctac	attggcaaga	ccatggatta	ccggggaacc	atgatcccta	gtgaagcccc	240
cttgctccac	cgccagggtca	aacttgtgga	tcctatggac	aggaaaccca	ctgagatcga	300

<210> 133

<211> 300

<212> DNA

<213> Homo sapiens

<400> 133

cccgtgagt	ggcagtggca	ggaagtcggt	ggaagcagat	ccctgtgcag	aagttgaatt	60
accagggcgg	ccacacacgg	gctgcacaac	ctttgcagtc	gtgcacggca	agtgggatgt	120
ggcctccgcc	catgattggg	cacctgggtca	ggctgggaga	tccaaatagc	acccagtggg	180
cagctgtccg	acccctggag	gggcaagcca	ggaaagaaac	ttagggcccc	ctgtgaccag	240
atgtcccttc	cagttgggaa	gactaaactg	gtttggccaa	tatctcccag	gattcccctg	300

<210> 134

<211> 300

<212> DNA

<213> Homo sapiens

<400> 134

ggtacctggt	gcctctgact	gcgcctctgc	ctttgccgcc	tggctcctgg	tggttcaagt	60
tccagaaaagg	tccgagggct	gtaaggctct	tagagaacct	agaggctcct	cctaggaacc	120
tttaaaaatg	ataccctgcc	ctgcgttgga	gcctgtgaat	ttctttgcat	gtgaggggcc	180
agctgtcagg	tggctggctg	agccagggca	gaccaggag	cccagcacgc	catcgcgagg	240
gcctttctga	tggcacagtg	ctagccgttc	ctcctgcttc	tccgccact	tggccatgtc	300

<210> 135

<211> 282

<212> DNA

<213> Homo sapiens

<400> 135

aaaaagcctg	ccttctgctc	cccaggggtt	cttttcccag	gaggtgtgag	cctacctgga	60
ggagggcttag	gcacagggat	acctgctgga	ggtctgagcg	ttggttgagc	acctcctgtt	120
tgtaggatcc	tgtgccagag	cctgtgggga	ggtggagaga	ggctaggaga	catagccccc	180
acccctgagg	gatgagacag	ctccctgcag	gcaggctgtg	cccagtcac	tcaagcctac	240
agctgggctg	ctggctgcat	ggtctggagg	gcgggggga	gg		282

<210> 136

<211> 260

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(260)
 <223> n = A,T,C or G

<400> 136
 agatacattg aactcttcag gagcacagca gctgaagttc agcaggtgct gaatcgattc 60
 tcctcggccc ctctcattcc acttccaacc cctccatta ttccaggtag tacctcagca 120
 atttgggtggc ccctacaaat ggtaaaaact ggattacgcc cttcaaggct ttccttatgn 180
 agcccccantt gaggacatcc tggatttcct gggggagtnn nncagatat tcgnctcatg 240
 gggnnccctg nnnnnnnntc 260

<210> 137
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 137
 ctggtgtcca tcagcacctc cgtgatccctc atgcagcacc tgctgcctgc cagctactgt 60
 gacctgctgc acaaggccgc cgcccatctg ggctgttggc agaaggtgga cccagcgctg 120
 tgctccaacg tgctgcagca cccgtggact gaagaatgca tgtggccgca gggcgctgtg 180
 gtgaagcaca gcaagaacgt ctacaaagcc gtaggccact acaacgtggc tatccctctc 240
 gacgtctccc acttccgctt ccatttcttt ttcagcaaac ccctgcggat cctcaacatc 300

<210> 138
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 138
 gacggcagtg gggaagttgg cacaacctta caaggccaca ctcgtgtcat cagcgacttg 60
 gactgggagg tggtttgagcc tgacctcctg gttaccagct ctgtggacac ctacatctac 120
 attctgtgaa gttctgggat taccgccagc ctcggaaata cctcaatatt cttccttgcc 180
 aggtgcctgt ctggaaggcc agatacacac ctttcagcaa tggattgggtg actgtgatgg 240
 ttccccagct gcggaggga aacagccttc tcctgtggaa tgtctttgac ttgaacaccc 300

<210> 139
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 139
 gatgcacggg cactttggag gaccgagcgg ccactctgag taagatcatc caggtggcgg 60
 tggaactgaa ggattccatg ggggacctct attccttctc agctctcatg aaagccctgg 120
 aaatgccaca gatcacaagg ttagaaaaga cgtggactgc tctgcggcac cagtacaccc 180
 aaactgccat tctctatgag aaacagctga agcccttcag caaactcctg catgaaggca 240
 gagagtccac atgtgttccc ccaaacaatg tatcagtcct actgctgatg ccgcttgtga 300

<210> 140
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 140
 tgtaggcaca agattttctt gctagcggaa tgtgaaccaa aaagtgtaga ggccaatcag 60
 taaaaatatt caaagccagt tttgttgttt tcagcagtta gtaactatca gtagatgaat 120

atttactagg	aaacattggt	cttttaacca	ctttgggcat	gcttcttatt	tagtatgttc	180
atcatgattt	agtatcatga	cattcagcga	acattttattg	agtgcctact	gtgcactagg	240
gactagtaag	catgttaagt	ttgtaagctt	tggtgatttc	caccacaaac	ccataggacc	300

<210> 141

<211> 234

<212> DNA

<213> Homo sapiens

<400> 141

ccagatccta	aagctgtgtc	cttaatgaca	gcaaagttaa	gcacttcctt	tgtcctagag	60
acattttattc	atttctaaaga	aaagcccacg	atgcttcagt	ggattgaact	gttgacgaaa	120
cagtttaata	atagtcaggc	agcttgtgag	tggttttttag	atcgtatggc	tgatgacgac	180
tggtggccaa	tcagataact	aattaagtgc	cctaatacaa	ttgtgagaca	gatg	234

<210> 142

<211> 300

<212> DNA

<213> Homo sapiens

<400> 142

ggaatatcta	agcagacata	aatagtaaca	tcagggcact	tcagaatcct	catccgattt	60
atatcttcat	aggtccatgt	ttctattttc	aaatgtcctt	tatttcaaag	cagcatgtca	120
ctaaaaaaaa	gaaatgggca	atcatcattc	ctcaaaagat	acgtgcattt	ggttgggcaa	180
aatcatccag	gctaccagtt	ggataataaa	agtcgaaatg	tactatttga	ttttttccta	240
tgtttccaag	caagtatttc	tcaccagaca	ctgcccccat	catatccccct	ttcctcttct	300

<210> 143

<211> 300

<212> DNA

<213> Homo sapiens

<400> 143

aataccttta	aatccctggg	cagcaccgca	gggacagata	ttaccgtcaa	cagtgtgatt	60
ctacttccta	aaaaccctga	gcactttgtg	gtgtgcaaca	gatcaaacac	ggtggtcac	120
atgaacatgc	aggggcagat	tgtcagaagc	ttcagttctg	gtaaaagaga	aggtggggac	180
tttgtttget	gtgccctctc	tccccgtggt	gaatggatct	actgtgtagg	ggaggacttt	240
gtgctctact	gtttcagtac	agtcactggc	aaactggaga	gaactttgac	agtgcacgag	300

<210> 144

<211> 300

<212> DNA

<213> Homo sapiens

<400> 144

ccaaaaggca	taaagataag	tgagggatgg	agttctggaa	gttgtgtatt	cacgtaagat	60
ttactttcag	gtattggcaa	aaatcacagc	tggagtgcag	attaagcatg	gtaggagggt	120
ggtgattgga	gaaggaatgg	aggggaaaaa	ggaaaaacta	caaatacatg	taaaactgtc	180
ctcattgagt	tttacaagta	atatactggt	cttatatacc	ctttcctcct	accgtgggaa	240
aatatcacta	acttgtaata	ggattaaatg	aggcaatacg	taagcttttt	agacattttc	300

<210> 145

<211> 300

<212> DNA

<213> Homo sapiens

<400> 145
gagaaaaactg aaatcagatc atacagatgt tctgtactat aatataaaaa gaagacaagg 60
actgaaaaga ttgagtgtag aaattgacac tctcagaagg agaccaaaaa tcggttcttc 120
atcccaaaga cctattaaac tcaaagaagc atcatattca aatgataatc aaattatatt 180
gcagagtcc tcttcaaag gaaactaaaa agacatacat aaatgtgtag actttaaac 240
taaagatata aaattgacaa atgctgggag caagcttgac catggaatta aaagccttag 300

<210> 146
<211> 299
<212> DNA
<213> Homo sapiens

<400> 146
gcacgcccc ttttctccgc cacttcacca gtttctgaaa tccaacctcc cagacttcac 60
aggaagatag atattcttga gataatgaaa agtgatatct tcgcatacca taggagaaaa 120
ggctgaggta tatatgattt ttaactgtat taggggtgta tgaaccagtt taaaaacgag 180
gttttattta ctgtagagat gaatgcaaat cagaaccaat gatcccttgg cctacttagt 240
taaaaccagt tcatacatcc cttagggttt ttattattat tattattatt attacagtt 299

<210> 147
<211> 300
<212> DNA
<213> Homo sapiens

<400> 147
gcaccagcc ggcttcatct cttcttgaaa tcacttttat accattctat gtggttctca 60
ccatgagctt gagtgggtgg ctaaagtgcc tctccctgct ttcagcttcc tgctgggaac 120
tcactctctc aagtctcttc cagcaccacc ccatagagtt cccatcactc cacactgtcc 180
agtgacaact cccaacatgg aagatctgct agttctacag ggtgctctct ggctgcccc 240
gtaacatgtg tttttaaat tttcacatgc atgtttgacc ccgactcccc gaagtcaggt 300

<210> 148
<211> 300
<212> DNA
<213> Homo sapiens

<400> 148
ccggctaatt ttttgtattt ttagtagaga tggggtttca ccatgttacc caggatggtc 60
tcaatattctt gagttcatga tccaccacc ttggcctccc aaagtgtctg gattacaggc 120
gtgagccacc acaccagcc agttttccta ttttctgaat tcagaattga cttctctggg 180
aaaactggag atgagaatct gccagtgct ctgctgtcca gtcaccgcct tttgaatttt 240
agttttggca ccaggagtac cgtagcttt ccccttcttc tggcccattt gcgtcatttc 300

<210> 149
<211> 296
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (296)
<223> n = A,T,C or G

<400> 149
ctcgcagctg tcagagttgg tcttggtgt ggcgtccaaa cagcttgagg gaaaaagatt 60
ctggctaacc acctcatcta ctactcaagt tctttctgaa ggagggattt ctcagttaa 120

ccatggacag tgaggtttct caccacagta acttgagtcc aggttgaggg ggagacagat	180
ctgtggtaaa tctntganth gnnatcnta ntgantgnng aaccnctcag gactcnttat	240
gnaanganct tgtgtgtnaa agaaccnntg gagcngatct ggagacctat atgtgt	296

<210> 150
 <211> 141
 <212> DNA
 <213> Homo sapiens

<400> 150	
ggaaggacta cggatccgca ggaagaggca gttggggggc aggggcccag tagaggaggc	60
tgagctcctt ccaactcctc agaacctcca ctctatggat ctggacctct ggattcggct	120
ttctccctgg gcactgcctt c	141

<210> 151
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 151	
ccgagatggt gacactgcac tccagcctgg ctgatagagc gagactccat ctataaaaag	60
taaaaaagaa agtcttcagt gaaaggagat tcgccctatc agctatgaaa gcacagaggg	120
gaggaacatg gagtggggc tgcctgcagt cagatcctgc cctcacaacc ttgccaggga	180
aacaggctcg tgggtacaaa ggttgtgtgc ctcaacttcc tcatggaagc acgtgagatt	240
attttataac catagagtgg agacagtcag tatgaccacc aaaccagga gccatatatt	300

<210> 152
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 152	
gtgggtgtgc cttttcccag ctcgaaaccc tcaggcttct gcctgggtgtg aagttcagat	60
tcctcaggct gagctgctct tgcctcagtt tcccagcctg accaaaggaa gcagggtggg	120
cctctgggat aaagagcgtg tgctggccct tcctgtgtg ccccgagac acacactcca	180
ccccactccc catgccccag ggcccaccag gctgacttct ccgctgcttc tgacgggctc	240
ccttgccctc tgggttccag tcagccagca ggaggcacca gcaggaatcg gagggtgaga	300

<210> 153
 <211> 257
 <212> DNA
 <213> Homo sapiens

<400> 153	
ccctgttta cagcaataag cacgtcctcc tccccactc ccacttccag gattgtggtt	60
tggattgaaa ccaagtttac aagtagacac ccctgggggg gcgggcagtg gacaaggatg	120
gcaaggggtg ggcattgggg tgccaggcag gcatgtacag actctatata tctatatata	180
atgtacagac agacagagtc ccttccctct ttaacccctt gacctttctt gacttccctt	240
ttagcttttag acccctt	257

<210> 154
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 154

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gttatccccg aagtctcaat tcttctgaa gacctagagg agctctacga cttattcaag    60
agagaacata tgatgagctg ttactgggag cagcccaggc ccatggcctc acgccacgac    120
cccagccggc cctatgctga gcagtaccgc atagacgccc ggcagtttgc acacctgttt    180
cagctagtct cgccctggac ctgcggggcc cacacggaga tcctcgccga aaggacgttc    240
aggctcttgg atgacaacat ggaccagctc atcgagttca aagcgtttgt gagctgcctc    300

```

```

<210> 155
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 155
aaagaaagca gcagagaaaa aagggagtgg tctcgtagcc caagaagacg caaatccaga    60
tctccttccc ctagaagacg atcttcccct gtcaggagag agagaaagcg cagtcattct    120
cgatctcccc gtcacagaac caagagccgg agtccttccc ctgctccaga aaagaaggaa    180
aaaaactcca gagctcccag aaccttcagt gaaagtaaaa gaaccttcag tacaagaggc    240
tactttact agtgacattc tgaaagtccc caaacctgaa cctataccag agcctaaaga    300

```

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<210> 156
<211> 274
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(274)
<223> n = A,T,C or G

```

```

<400> 156
catcacgggt ttaccagtg gtgaaagaag gacggacact ggatgccaaag atgcctcgaa    60
aaagaaagac aagacacagt tcaaacccac ccttgagagag ccatgtgggc tgggtgatgg    120
attcccgatga gcacaggccc agtactgctt ccatnatctc nannctntta tatggnatgc    180
ttactttnnn aannattnnn tngttntntt tngnatagct cttnggcttn nttntggnat    240
tgctntnttt tntngggttt tgtntgttt tttt                                274

```

```

<210> 157
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 157
gcagatttgg ttccatacct cttaaaatta ctggaaggca ttggccttga aaacctggac    60
agcccagcag ccactaaggc tcagattgtt aaagctctca aggcaatgac tcgaagtgtg    120
cagtattggag aacaggtgaa tgaaatcctg tgccgttctt cagtctggag tgccttcaaa    180
gatcagaaac atgatttggt cttttctgag tcacaaacag caggatacct cacaggacct    240
ggagttgctg gctaccttac cgcaggtaca tctacatcag tcatgtctaa cctgccacct    300

```

```

<210> 158
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

```

<400> 158
 cctacccatg tgttcccgaa ggctggggcac tgagctccca caccagcat acagctcatt 60
 actcacacac cctctgccgt ctacagagta attagtagag gaacacgccc ttttctctgg 120
 agatttccgc cccagtcgta ccaactcttt aacaaggaac aaaagtcaac aacttcaagt 180
 ttcctgtgag gatgaaatcc agagtttcta atgactaatc tccatcgtca aaagaaaagg 240
 caaacctcag ccccttcaga cagctaatac caggagaagt tcatgantat tnnaagaaag 300

<210> 159
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (300)
 <223> n = A,T,C or G

<400> 159
 ccgactagta acatatatca tagcttccaa agtatttgtt tacagaatac cacagtgcact 60
 aattaccaga acttttctta ttctctctga gcaaaggaac ctcatgggag aaaaaaata 120
 taggtcattt ttaatgtaag ggagttgcta ggattggagg ttaagacagc tatttacact 180
 tcatgnangg antnntgan gacctcaca nnggttntct aggnatagag aaaggtgcaa 240
 atcttcttat cagaaacgca ttataaatag aaaagaaact cttaaaagag attcttcaaa 300

<210> 160
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 160
 ggcacagtcc tctctgttca tagaaacacc tgccagtgtc aaggattcca gtcagggtgc 60
 tatcccaact ggtcaggagg agaagggcag acccattctc aaagaccacc atgtccaagg 120
 tctgacagct cccactggc tgccccaca ggggctttag gctgggtctgg gtcatgggga 180
 agcgtccctc ttatcgctgg tctgtgttct cctgggattt ggtatctatg ttggtacgac 240
 tcctggcctt ttatctaaag gactttggct ttgttaaact acaagccaat aatagacttt 300

<210> 161
 <211> 288
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (288)
 <223> n = A,T,C or G

<400> 161
 gctggaggca ttcgaaagg actcccgatg tgggtggcgg ggctgaaccc tgtggcttct 60
 gaggtccctg ccagccagag acttgtgtga gtctttgaat ggcttcacat gaacaaaaga 120
 gcatttctgt cacttttct ctagtctttt ncatcncacc natctnngag ctgaggcnnn 180
 gttntttctc nnattntatt tctntntnt ttttntctt ttttntctna tttttntnt 240
 tgttacannt tnnnaattt cnttntttt tttntntct ctatcttt 288

<210> 162
 <211> 293
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(293)

<223> n = A,T,C or G

<400> 162

ctcaaaagtc	agcacaacaa	gtggaaaactg	gccaaaccagt	atgagaaatt	ccacagtcca	60
agggaaagag	aagagtatag	tgactgaggt	gggtctctct	gtccaacatg	caggcagcac	120
tccctcatcc	tgctcagtga	gagaattcag	ggggaataga	aaagctgctg	agagttggta	180
aagaggatgg	tcgagtgaga	tggtgttgac	ctccctggat	cttatgttac	tacatcctgg	240
acctcnagag	gntcatccaa	nctttttgaa	agctnatctt	cttgntcgtt	taa	293

<210> 163

<211> 300

<212> DNA

<213> Homo sapiens

<400> 163

gtggcgagct	ctgagttcac	tacagcctcc	acctcccagg	ttcaagagat	tctcctgcct	60
caacctcccc	agtagctggg	actacagttg	aaaaagatca	tctagcaaag	cctttttccc	120
agctacatat	aaggaatttg	aaagtcacat	aaaatgggta	agaaaaatgtg	ccaagattac	180
ctcagtaatt	ctggctctgtg	ttctcaggag	accctggaaa	taaacaatgt	gtcttctgtg	240
gcttcagcgt	cacctagtgc	aggctgccat	tcaacaaacg	cattgtcaac	agtcaaccaa	300

<210> 164

<211> 265

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(265)

<223> n = A,T,C or G

<400> 164

gccagattga	ccaagcgcca	gagacaaaat	gtggcacaac	gagaacccca	gccctgtcca	60
gggtggctccg	cgcccagggc	ccaggcttag	cagtgtctcc	tgccctatct	tttggaaatt	120
cttgctttta	tggtnttnan	ctctttangc	cctnaatanc	nangtncctg	ntgngtgtn	180
cttntcnttg	ctgctnttnt	tttannntcn	nntatntnnt	ttngngctaga	gctntngcta	240
ntnatatnnt	tnnntttnt	gtttt				265

<210> 165

<211> 265

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(265)

<223> n = A,T,C or G

<400> 165

atcaggactg	tgtatgtctg	agcacatgtg	gctctgtttg	ggattacgtg	tttgtctgtg	60
aatgtgtgtg	tgtgttgagg	gggtgtctat	tgtgtgtggc	tgtatagggt	gtctgtagat	120

caagatgtgt atacagctgc ttctgetatt gctggtttgg gggaggtgnc tganaanctg 180
 nnaactgnnta tcntgannna agangggngn anggcncacc cctgntnctg ntcantntta 240
 accntgntcn nnatntngnn ctctg 265

<210> 166
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 166
 ggggttgagaa ccaagggagt cagatcaacc agtcagatca accatgtggc tgcaagacag 60
 ggcagagagg ggacgtcagc cccaggcccc tccacacctc atgtgcagtt ctacagcagc 120
 ggcacaggca ctgcctacac agagccaacc tctgagccca gacccctcca ctgtaaaaatg 180
 agaataagca ctcaggatgg ttgtgaggat tctaataacag actgagaaga aatggtgacc 240
 taggctggca catgggacac tcccccaagat gtccttttt catttccttc aagcccagag 300

<210> 167
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 167
 accaactgat gacccaccag cctaactctgg cccacaacca tgttctgttc ggtccatggt 60
 ctatttaaaa gtatcttgaa ttggttgcca tcatTTaaac tcaatcagac tttgaaggca 120
 tggccagacc acacagggcc tacattccca catggcaact atgaaagggc tccagcccag 180
 caggggctgt cccggctcct gccacccccca ctctctgtgc ctcagatctg gccctgcta 240
 cgtaagataa ggacagctac aggtccctct gaggcctaaac ccacctaacc ggactaacat 300

<210> 168
 <211> 246
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(246)
 <223> n = A,T,C or G

<400> 168
 cctgatcctg ccaacagcag ttcaggccag cccacatgg agcaagtacc tgaggcccag 60
 ccccttgggg acttgcccat cctggaagtg gaggagatgg agcccccgcc ggttatggag 120
 tccttccagc ccgcccaggc tacgccccg cttgactctg ggtgnganan gnantttttg 180
 tttttatctt angaattggg ncnttttgtg nnnnaattgn nttnannttt ttntntnnnn 240
 nnttnt 246

<210> 169
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 169
 gcgaagcagg cttttgtctca tgtatccaag ttgctgtcac agtgtaaatt tgatctgttg 60
 gaagaacttg tggccaaaga ggtgtacat gcattgaaag aaaagggttac ttcactacct 120
 gacaaccata aaaatgccct tgctgctaac atagatgaaa ttgtatttac atcaacagga 180
 gacatctcca tttactatga tgagaaagga aggaagtttg ttaacatcct gatgtgcttt 240
 tggatatctaa ccagtgccaa catccccagt gaaactttta gaggagccag tgtattccag 300

<210> 170
 <211> 274
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(274)
 <223> n = A,T,C or G

<400> 170
 aagagacgag cggcccagac aggcctggga aggccctctt gcccgcgcag ggggtgaaaag 60
 caaagctgga aggattcgga gaggggtggg gccgtcttcc tcacccctcc ttttctcggg 120
 gctcccgtgg gtagggtcac ttggagcaac cgggcctgcg ggggtgtgcg ggggtggagg 180
 tgnggaggnn atcgnnnnng gcncnccng gtaenctcnc nncnnnnccc ntncnnncnc 240
 ttctcnntnt cncnncnnnt ccnnncnctc cctc 274

<210> 171
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 171
 agaagactct tcccctgccca agaaaactcg tagatgccag agacaggagt cgaaaaagat 60
 gcctgtggct ggaggaaaag ctaataagga caggacagaa gacaagcaag atgaatctgt 120
 gaaggccttg ctgttaaagg gcaaaactcc tgtggacca gagtgacag ccaagggtgg 180
 gaaggctcat gtgtattgtg aaggaaatga tgtctatgat gtcagtctaa atcagaccaa 240
 tctccagttc aacaacaaca agtactatct gattcagcta ttagaagatg atgccagag 300

<210> 172
 <211> 293
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(293)
 <223> n = A,T,C or G

<400> 172
 gatggccaaa aatatagaaa aggatacctt gcatgtcctg tgaaatgcaa aggaattcta 60
 aagtgtcatt atgagttacc tcatggaaga aagcaaaagg tgaatctatc tagagtttgt 120
 ggttctgact cacaagagac tgatgttcat gctgaaggac gagggtgaca ggtggaagga 180
 tagagcaccg agaccacact ctaaagggtg ggaatctatg ggaactattc agggagatga 240
 aagcatggaa tgaactgaag cttgcagact cgttgagtan naagcgcgtt tta 293

<210> 173
 <211> 271
 <212> DNA
 <213> Homo sapiens

<400> 173
 aataccctct tcccttgcaa tggcataggg acatctagaa tatagagaag acagagacaa 60
 tggaggaaga gtaagaaac tgactatatg ccttcttcat ttcactgcaa ggaaggccaa 120
 gcagattttt gaatgaggtg tgagattgct gttaaattgg actggcctgg acattttaat 180
 cccttaaata gaggtgcaat gattaaagtg agatttgtca ctaaaattta tggatctgc 240

ccaagattca ggagtgatgt tgggaggaga t 271

<210> 174
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 174
 cctaagcagg catctgcagc atcctatttc cagaaaagaa attctcaaac taataaaact 60
 gaggaagtga aagaagaaaa tcttaaaaat gtattatctg aaacccacgc tatatgtcct 120
 cctcaaaaaca ctgaaaacca aaggccaaaag accgggttcc agatgtggtt agaagaaaat 180
 agaagtaata ttttgtctga caatcctgac ttttcagatg aagcagacat aataaaagaa 240
 ggaatgattc gatttagagt attgtcaact gaagaaagaa aggtgtgggc taacaaagcc 300

<210> 175
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 175
 aagagacagc ctctctcttc tgtctcagaa gctctgtgtt tgggaaactt tgagcccagt 60
 gagtagcagg gtctgcagtg tgagtaccag gtttccctgg caatccaggt ctctctctgag 120
 gaagcattct gacttccac tgaccacgga aggcattgtca gcttcatgcc tcgggctaga 180
 gttctgataa tcggggctga ggggtgaaaa agaaaatcca gtcaggacag acagtgggga 240
 gacagggtccc tgccctttat ttgcgggatc aatcaggagc tcccagaaag gaaggagaat 300

<210> 176
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 176
 atctgttcag ttctggcttg aaaatgtgtg tgccatactg tgaccacagg gcagcccctc 60
 ctctctctact gtgtcagggtg gaccagggtc acctctgttc tgcgagcctt tgagattcta 120
 ggattctacg gccggcacga atggcatggg aggggttctt gcacgggacg gcataacggc 180
 atgccatcct tcaggctggc aggagcctgc gcagggtgtg caaaatcttg aaacagcctg 240
 tgtctgcctt ggcttttcac tttcctattt aatataagaa agcacttttt tttctgcttt 300

<210> 177
 <211> 268
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (268)
 <223> n = A,T,C or G

<400> 177
 caaagtgtga ctttgctagc agtttactca acaatgggca tgtcatctag agttcccaag 60
 atttttacca tcctgcaaca gcagtcatac gagaatatgc ctcaatcaaa atcaggctaa 120
 aaatttggtt caattctgctg tgtgagctgg gaccttangn ctttctgntc tctatttntn 180
 ttttcttntn nnntctntn cattncgtna ntncnnnnnn nnnantnntc nnncnntnt 240
 tctnnaatnt ttctnntnat ntttaatta 268

<210> 178

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 178
 agcaaatggt gctggagtgc ggtggctctt aagagtctcc acagtttgct agtttgaatc 60
 agggactgga tttgttgtaa ttttttgag ttttatggt tgtgactcaa tataccttc 120
 cttattggat acattgaagt ctaactgaga atcgatattt gttccttgga cttgagtgtg 180
 aaggaaagag aagctttaat tactactaca acatgacctc aaagtttttc aagtactcaa 240
 tgttggtgtt tctttttaat ggggctgttt gtgaagatga ggcattagga tgttgatgatt 300

<210> 179
 <211> 270
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(270)
 <223> n = A,T,C or G

<400> 179
 caacaaaagt cgtgagtgat cagtgaagc tctgctgtga aggtgacatt tgataactgg 60
 ggaagactgt tcaggtaatg ggggcacatg tgtgtgcaga ggcctgaaga aggtgctggt 120
 gtggcaagaa tagccaagag actcatcact ggacccgatg gggagaggag taaaagaaaa 180
 ggtccaagaa ttggaagaga tggcgggcag gtcattgtagg gccttacaaa naatttgact 240
 ttggctgaga gggagccgt taaaagggtg 270

<210> 180
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 180
 atcagatggg gttgttttta ttggtatcca gttatgtttg cttgtctttc cagatgggcc 60
 cagttattag ccatacatag tacattgata cacctccacc agcgggtgag gaaatgatgg 120
 aaaaaggagt aagaagtggc cattcgtttt aatcattcct cctggatttg tcctcagtcc 180
 ccaactgcca agtaggatgt gtccatgtat aaatgtgtgg ggcattgacta aagtaccacg 240
 tagctgttct ttatatttat ttacctagaa agatctggca aagaactcaa agaaaattgt 300

<210> 181
 <211> 260
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(260)
 <223> n = A,T,C or G

<400> 181
 gttggettcc cgggagagg agtatgagga ttaaaaatat tcagaaacaa acaaaagaac 60
 acaaaaatgc aaacacatgg tagggaatta ctactgttta ttctcaacag taccacagaa 120
 ccagtgtttg agtgctggca ccatatgcaa catggggcat cgggctgga gtgatccagc 180
 tttttagatt cattgtatga ntcatgntaa ggnnnaggag tcttnnnnta nncnannang 240
 nnnncnnttn ttnnnntacc 260

<210> 182
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 182
 ccttggtgca tgggcctgga gccctggggg gaactgtggg aactctgagc cgtctggccc 60
 tgagggctca gcctcagcct ccacatctgc ctggtgcggt cctggctgtg gggctctcagg 120
 ataaggacat agccccctgg aagctgggaa ggccccacat caggccttgc agtttctaac 180
 ccaggagggt gccgacaagca gtgcgttggg gctgcctgtc cctgcacacg aggccttggg 240
 ggggtgaatgg aggctctccc tgtttttgtt agcattggag gcctgagcag ggctaacgcc 300

<210> 183
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 183
 agaaggactt cctaattccat gaaaaccatg taaagtttga tcatatcatt agctattggt 60
 cagacctatt ttgtgtttg agaaaaacag acacatgggg aaaatggtga ggtgaggtag 120
 tgtgttgagg agctgggaagt gagcagctct taatttttct ctctctgagac tgagttcggg 180
 agaagagtag accatggcat ggaggtggga gagacaagga cagagttggg gaggtcactg 240
 cctcacactt ctgctcacac cgctgggtct ggtggaaact caaagtttgt atctaaaaat 300

<210> 184
 <211> 265
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (265)
 <223> n = A,T,C or G

<400> 184
 gtcctccctc gtgggcctcc caaagtgtg ggattacagg cgtgggctcc cgtgaccagc 60
 ctggaacgtg ctgatgagcc tctttttctc ctgaaacccc ggtgggaaca gatggtggat 120
 gctttcaaaa cgcatggaan ntgnacttna agacntgcgg antgntntnn gangantttt 180
 tgagattttt tttaanatan ntntttttan nttnnnnnn ccnttggaan cagatngngt 240
 ttntntnaaa ntnnattnaa tctgt 265

<210> 185
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 185
 aaagaatgaa atgtccaaac ccttactgac aaattatacc tgacagcaga atacaccac 60
 atctactaag aggcttccat ggtttttact gctatcactt tgattactcc aataatgaaa 120
 ctattgaatc tgtttcttag aagccaaggt aagaaagcag agaatagtct gccattgaac 180
 tgatagcatc tgttttataa ttatctggtg acttttctag agaagatgta taaaggctgt 240
 gttgtttcat gtacaccaca cttgaatgat tgcttcttga gttggattgt actccagtta 300

<210> 186
 <211> 300
 <212> DNA

<213> Homo sapiens

<400> 186

cttttgtaag	attttgttcc	ctcagcttga	ggaacaactt	catcttcaac	tttttatttc	60
tccctgatgt	tacagtttgg	tagatttcaa	actggaatag	ctagcatgtg	cttgctaaat	120
aattttatgc	cagccttatt	ctgtatccta	gctgttctta	acagcaggta	caaaaatgcc	180
tgtttttcag	caaggttgaa	attgggaatg	tccttttgaa	tcagaagaag	ataggccata	240
gactcatctc	ccagcacaaa	ggggcattct	atgaaatggg	actggcccta	ggaggatttc	300

<210> 187

<211> 300

<212> DNA

<213> Homo sapiens

<400> 187

gcagactcca	ggttaaaagc	gcttaatgca	acattcagag	tgaaaaaccc	agacaagaga	60
tttactgacc	ttaagcacta	tagtgatgaa	ctgcagtctg	tcattctcaca	tcttcttcga	120
gtcagagcta	gagtagcaga	tcgactctat	ggtgtatata	aagtacatgg	gaattatggg	180
cgagttttca	gtgaatggag	tgccatagaa	aaagaaatgg	gtgatggact	gcagagtgtc	240
ggcatcata	tggatgtgta	tgcattctct	attgatgata	ttttggaaga	tgaagaacat	300

<210> 188

<211> 300

<212> DNA

<213> Homo sapiens

<400> 188

gtcctccaag	acctgattca	gcctttcaca	cggtggtgcc	actggtccca	gggtgcgcgcg	60
gccccatctc	ctcagggcag	tgggtgggga	agactcacca	ctacccttaa	aatgggaaga	120
gaccaggggt	ccaaagtgc	ccccagtggg	ggcttcacac	gccagggagt	acatgagatg	180
atttctgtgg	tcctgatac	acagctttca	ttttgagaga	cacaattatt	tgagtatcta	240
gtaattcaag	cctgggattc	aaagatatca	tttaagatga	aactgaatat	ttctcttctg	300

<210> 189

<211> 300

<212> DNA

<213> Homo sapiens

<400> 189

cctgaactca	ttaccttcaa	gtatggaaat	agcagtgtct	caggaataga	aatcttggca	60
atcgaaaggt	atttgattcc	aaatgcaggg	gatgcaacta	aagccataaa	acagcagatc	120
atgaaagttt	tggatgcttt	ggaaagttaa	tataaaagaa	aattatataa	aaagaaatta	180
agacaaccaa	gagaaacatg	gacatatacc	tcctgactga	atactaactg	gagacctttc	240
atttgctcat	ggggctgctt	aaatagcagg	tctaagaaag	tgtaaattat	tataatcaat	300

<210> 190

<211> 300

<212> DNA

<213> Homo sapiens

<400> 190

gtggagatga	cccctgagaa	gttcagtgtc	ttaatggaga	agctctgtaa	aaaggggctg	60
gcagccacca	cctccatggc	ctatgccaa	ctcatgtctga	cagtgtgtac	caagtatcag	120
gctaaccatca	ctgagaccca	gaggctgggc	ctggctatgg	ccctagaacc	taacaccacc	180
ttcctgagga	agtccctgaa	ggccgccttg	aaacatttgg	gccccctgacc	atccaccaag	240
ggaccaccct	cttggtgtct	catcaccagc	ttcctgaagg	gcatttcttt	cttcaccacc	300

<210> 191
 <211> 266
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (266)
 <223> n = A,T,C or G

<400> 191
 gacaagcgct ggagccgcag ccctcagact ggcacgggaa cgccagcggt ggggtgttcag 60
 attccacgag tatgtctggg ctcaactcaca gcatggccga gtgtctgcag tgctgggtcct 120
 gacccttcca gagcagcagt ggacagatga gataagactg tttcagaaac naanatggnc 180
 acagccttcc taacangcag gtcatctggc catgtctgta tngtnacttg ttaaaangct 240
 tcngtnatat tgattgatna natatt 266

<210> 192
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 192
 tcctggatca gtttctttgt catgtagcca agactggaga aacaatgatt cagtgggtccc 60
 aatttaagg ctattttatt ttcaaactgg agaaagtgat ggatgatttc agaacttcag 120
 ctcttgagcc aagaggtcct cccaacccta atgtcgaata tattcccttt gatgaaatga 180
 aggaaagaat actgaaaatt gtcactggat ttaatggat cccttttact attcagcgac 240
 tatgtgaatt gttaacagat ccaaggagaa actatacagg aacagacaaa tttctcagag 300

<210> 193
 <211> 281
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (281)
 <223> n = A,T,C or G

<400> 193
 cacactataa atggaagaaa aaaattaata gcttctgttt aatctgatga atgtggcttc 60
 ttttgcttc actatattgc cctgtgaagc tgctctttgg tggntatttt atngnactgn 120
 ctgntnttat tttgcttatt gcctttnttn nnnttgnctt tatcncattt tntngtnttt 180
 ttnttcnntt gnttacnntt tnnnannntt cntnngtttn atttnnnngn ntcttntntt 240
 aanncnngg antnnttttt tctnnngnng annntttctt t 281

<210> 194
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 194
 tgattgatga gggctgtcgg ccaggaactg atcgaggctt gttaattgca tttgtcaaatt 60
 gcagggaat tgggaattag tgaaatcgga gaaggggggt tggaaaacaa atgactcgtg 120
 cctaaggaaa ttttttgcag gaaagtatct caggagcccc tgcagtcagg gagctgctgg 180
 tgtggactca gactacatgg ttgaaatagg caggagctgg gcggggcaca gtggctcagg 240

cttghtaatcc cagcaccagc acttttgggag acggaggcag gcagatcact tgatgccagg 300

<210> 195
 <211> 278
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(278)
 <223> n = A,T,C or G

<400> 195
 gttaacagtg atgatgacag cgtgctgctg gtacactgta tctcaggctg ggatcggacc 60
 cccctcttca tctccctcct gcgcctttcc ttgtgggctg atgggctcat tcnacagtnc 120
 ctgannccca ntgagatcct ntacctcnet gtggncatag acgggttcct cttctgcacn 180
 tgnnggttnt tctnatcntt attttnntnn ttagtnnttt nctantttnt gnntattntt 240
 nntatntntt ataatcnntn nntnnnttcc tattattt 278

<210> 196
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 196
 agagccctct gtttgcagct catggaggaa gcagcaggga aaacctggcg ctgcaaaatg 60
 tgcaggctcg aatacggatg gtcctcgctt atctgtttgc tcagttgagc ctctggcttc 120
 ggggtgtcca cgggtgggctc ctcgtgctgg gatccgcaa cgtggatgag agtctcctgg 180
 gctacctgac caagtaagac tgctccagtg cggacatcaa ccccataggc gggatcagca 240
 agacggacct cagggccttc gtccagttct gcatccagcg cttccagctt cctgccttgc 300

<210> 197
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 197
 cttgggcaag ctctttatcc taagattcct cagtgcgcct tatagagttg ctgcgagaat 60
 tacatttggt catgatgtca agtgtctggt atgtagctaa tgcttattga acacatagta 120
 atttattgaa taattgtcat gatcactgga tgagatatag ccactgtgga ggtaggcaca 180
 ccagggtttt agaggcttgg gatcttgcaa caggattttc ctcttgccct tccaaactgc 240
 cctttgccca gatggcttca gcattctttt gcattccctgt ttccttggtt ggtgaacacc 300

<210> 198
 <211> 294
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(294)
 <223> n = A,T,C or G

<400> 198
 ccactaacag aactgaagaa aattctaaac gaaatggcaa aaagaaaatt catttttttg 60
 ctctctgctc tgaagaacct ttgttataac gtgtttatag catctttggt agatggagag 120

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agatctttta tgacaaagag tgtgatacaa tttttttaat gcatataggg cattgttctt      180
cctagagcat atttacataa attatctcat ttggaaaaca caacaacctt atacttgtgt      240
ctgcattcgc ttgggcattt taaaggctcg aagaanttga ancttttcaa gagt          294

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<210> 199
<211> 263
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(263)
<223> n = A,T,C or G

```

```

<400> 199
agttccctca cttctctgca cacctattcc cagattccat ccagagcaaa gctgatgttt      60
atcgtctcat tgtacttagg ctttcgtact ttaaaaaatt atgacttttt aaaaataagc     120
cttcagcaga cagaagtga gaaatttagc ctgggttgcc tcagcaacaa agtctgcggt      180
tcctaagagc cacatgttgg ggaagcgggg tgnntnnnan ntgttgnga ngngnnnnnn      240
nnnnngnnnn nggnnnnnng nnt

```

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<210> 200
<211> 276
<212> DNA
<213> Homo sapiens

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```

<220>
<221> misc_feature
<222> (1)...(276)
<223> n = A,T,C or G

```

```

<400> 200
cctctccttc catgtcacia actaaccac atcaccattt tgcaaacatg catccttggt      60
ctcaagttgg cctaacaagg aaattgaaca gatccattga aaagataatt gaaagcacat     120
atcctcttgg atcagaagga catttagcat ggtacctctg catcattcat gtgttcattc     180
attcatttca cagatccttc aagaatacct tctatggcct agacactgtt gcatgtgaag     240
nccacngana accactattn caancgggac ccttt

```

```

<210> 201
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 201
ggggagtaac agaagcctgg atacaattac tctatcagga gatgaaaggg actttgggag      60
actgaatgtg aaattgtttt ataattcttc agtagaacag atctggatca cagttttaca     120
gtgcagagat ttaagttggc cctctagtta tggagacact cctactgttt ctataaaagg     180
aatacttaca ttgccaaac cagtgcattt caaatcttca gccaaaggag gttccaacgc     240
tattgaattt atggaaacgt ttgtatttgc tattaaactt caaaatctac aaactgtaag     300

```

```

<210> 202
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 202

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atgtgcctgt aatcccagct actcgggagg ctgaggcagg agaatcgctt gaacctggga	60
ggcagagggt gtagtgagct gagaccatgc cactgtactc cagcctgggc aatagagcga	120
gattctgtct cccaaaaaaa caaaaaacaa caaaaaact tgctaccacc cagggatttt	180
ctgctattta aaagggtgaat ttcttttctg gtactaaact gtagctgctt aacttagtaa	240
aggctgtgtt tggccaggcc tgtgccagag gtcacactgg agtgctccac cactggcag	300

<210> 203

<211> 300

<212> DNA

<213> Homo sapiens

<400> 203

aagaactcca tgttccactt agaggcttca gagtgcagtg ccaggggtgc cttcccaaaa	60
gtcctccctg cctgggtgga gcgtagacag ctcagcacc caggggggc gttggagcca	120
gccttggttt tgttgggtaa ggatgttaga agaggggcga agaccatag ccactggtgt	180
gaagggctg ctcttgaccg aaggctgcct ccctctgggt gcagaccagg caggtggtcc	240
cagtcacggt gccctggggc cactgggtct gtctgccctc aggtccact agacacacct	300

<210> 204

<211> 300

<212> DNA

<213> Homo sapiens

<400> 204

ttttgcacaa gacagggtgc tgaggggtcg gcaagcatct gacttgccca atcccctgga	60
tatggtgagc cccgccatgc ttttattctg tatcgctttt gtctttattg ctgctttcaa	120
catttacgtt tggttacagt taactatttt cggagtgtgg tgattgaaga caatttcac	180
atcccactgt actttttttt tgagaggag tttcactctt gttgcccagg ctggagtgca	240
atggcacgat cttggtcac tgcaacctct gcctcctggg ttcaagcaat tctcctgcct	300

<210> 205

<211> 300

<212> DNA

<213> Homo sapiens

<400> 205

gccatttctt ctggccttta caaaaaggca ttttgttata ctacagtgt aacctcattt	60
ttttcactcc aaaaggtagc agccccctct cttcccaccc tggacctgcc tttcactccc	120
tgggcacaga gcgcatggt ccattgatgt ttggtttatt ccaggatcca aggagtgggt	180
tctgctgggt ggaccaaacc tcgtgagcca gccaccctg acccaaatga ggagagctct	240
gattctccca tccgggagca gtgatgtcaa acttctgctg ctggggaaat ctcacagca	300

<210> 206

<211> 300

<212> DNA

<213> Homo sapiens

<400> 206

ctgacttcaa ctgcaatggt cctgtcaaca cacagggtt ctacaggggc tcccctgggt	60
gcgtcatgga tgctgttctg cgccacggct gtgaggcagc cttcgtgagc ctgctggtag	120
aatttgagc caacctgaat ctagtgaagt gggaaatcgct gggcccagag tcgagaggaa	180
gaagaaaagt ggaccctgag gccttgagc tcttttaaaga ggccagaagt gttcccagaa	240
ccttgctgtg tctgtgccgt gtggctgtga gaagagctct tggcaaacac cggcttcac	300

<210> 207

<211> 300

<212> DNA

<213> Homo sapiens

<400> 207

ctcaaagaaa	tccaagacag	acaactcttc	tcttagttca	ccactaaatc	ctaagttatg	60
gtgtcacgta	cacttgaaga	agtcattgag	tggtcgcga	ctcaaagtga	agaactcaaa	120
gaattccaaa	tctcctgaag	aacatctaga	agaaatgatg	aagatgatgt	cgcccaataa	180
gctgcacact	aactttcaca	ttcctaaaaa	aggccacct	gccaagaaac	cagggaaagca	240
cagtgcacaag	cctttgaagg	caaagggcag	aagcaaaggc	atcctgaatg	gacagaaatc	300

<210> 208

<211> 300

<212> DNA

<213> Homo sapiens

<400> 208

gtaaggcctg	ccttttacac	accagttgtg	tgtttgtag	tggtgctgg	atgccagtc	60
acacctcaa	acacctcaca	gtcccaaagc	gggtgctcct	acagggtcca	gggtcctgtt	120
agtgaagaa	aggcagttcc	aggaagtctt	cctctagcct	tcatgacagg	aagtagtta	180
tcctctggga	aatagacttg	cagccctggg	aagaaaagag	ttgttctcc	ttggggacat	240
acaccatcat	ctgggctatt	tcattccagt	tctcttcttt	atacaggagc	tcctggctca	300

<210> 209

<211> 265

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(265)

<223> n = A,T,C or G

<400> 209

agtggctgag	tggaaggcgc	cagacctggg	caggcagcag	gctcaggccc	acaccttggtg	60
atttttgaaa	ccaaagccca	gaagatgatg	tttacttctc	tctccctggc	tctgcccttc	120
ttactgcaaa	ccatgctgtg	ccttagggcc	cttctcatag	ctgttctca	tgcccatgac	180
tggaacaggg	atgcaacctc	tttctacaca	agcacagtta	gttggtgaa	gtcttttttt	240
tgnttgnntt	anacggagtn	anact				265

<210> 210

<211> 300

<212> DNA

<213> Homo sapiens

<400> 210

ccgggactga	caccactggc	caggaagtgg	ctgaagctca	gctggatgag	gatggggatt	60
tggaagtgtg	gagaagacca	cgagccgcct	ctgattccaa	cccagcaggg	cctctgagag	120
acaaggtaca	tcccatgatt	ctagcacagg	aagaagcga	cgctctggga	gaggaagcac	180
aaggcagccc	gcacgatatc	atcagaatag	agcacaccat	ggccacgccc	ctggaggatg	240
ttggcaagca	ggtgtggcgg	ggcgccctgc	tcctggcaga	ctacatcctg	ttccgacagg	300

<210> 211

<211> 294

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (294)
 <223> n = A,T,C or G

<400> 211
 ccaggatgga ggtccggggc tgccccaagg gtcccaccac agccagcggg ctggcctccc 60
 accccagcat ccatacacgt aggcctgttg ctgagggag gccctctagg gtcctctggg 120
 ccaggggttc tttgcttcag ctgcacatcg gctgcctctc caggaagcgt gttcaacaca 180
 tggaatcagg gctccacca gacctgccga ggccacactc ctggagtatc tgcattccaa 240
 gatctgcacg tttgtaaagc taagggtgn tnnttggant aagcttnagg tttg 294

<210> 212
 <211> 299
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (299)
 <223> n = A,T,C or G

<400> 212
 gcaagaccag catctggaca gtgggggctc ttgagagtcc ccggcgcccc ccacaccagg 60
 ttgtcctata accctctccc ctctgtggag acgttaatgc caaggggtgt gtgnnnaggn 120
 aagtcctnnt ntgcancaa gattgacaga tanttctagt naactccngg gnntccattc 180
 ttattttatt ccaatatnaa nanaatncag gtntgtcan attattaagg tgtgcttacc 240
 tatattttta anaatctntt acanngtttt cttgcattcn gtnccattca tgtcttaca 299

<210> 213
 <211> 255
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (255)
 <223> n = A,T,C or G

<400> 213
 aatatcccca aataacatgt cttacatgtt tggttaagact tactgtaccc tgccttagaa 60
 gatagaagat gccctgccct tagaagacaa agagactgta gagctatgcc ttctaaatct 120
 taagccactc ttcagataat ggatcccttc atggtcagcc caaacatctc aagaactttt 180
 aatttgtagc gtttgctttt ttttccatct atttaatacc ncantnttna ctttattatt 240
 atgaanccna tatct 255

<210> 214
 <211> 138
 <212> DNA
 <213> Homo sapiens

<400> 214
 tgcttgcgag ggctgccctc tgcagagcgc tctctgtgtg ccagagagcc agagacccaa 60
 gacagggccc gggctctgga cctgggtgcc cccctgccag gcgaggctga ctccgcgtga 120
 gatggttggt taaggcgg 138

<210> 215
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 215
 agccgagctg ggccgtcctg gggatcggtg cagctccctg ggggtggtgac aggccctttg 60
 tgaaagtgtg gtgcttggtc ttccacccca gcccagaca ctgcttcaaa tagcaccaac 120
 cagatgggag tccacatctg tgggtggcaaa atgctgacat tttcccaaga ggtacacaag 180
 gtgggagagg cctgctgtag cagaggtgtg tgtagagaa agcaggggccc tgatttagta 240
 gcagagaact ggggtgagaaa aatggccaga gaaagtgacc tgccagctac cagtgtttcc 300

<210> 216
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 216
 agctcattaa cttaccagag gttttaaaat ctgagaagca ctcattcaaa tgctttggtt 60
 ttttgccatt tgtatttcag gagatgcaag cagcattgta tctgcaattt gctacacagt 120
 ccctaagtca gctatgggaa gtagecctcta tgctctagaa tcaggctctg attttaaatc 180
 tagagggatg tctgccgcga gtcgtgtgat attcgggcct ggtgtgacca tgtccacctg 240
 tgatgtcatg cttattgatg acagcgagta tgaagaggaa gaagagtttg agattgcctt 300

<210> 217
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 217
 agtagaatag tcttttatga aataatatac ttatggaaaa tatatgactg gtatatgatt 60
 ccttttagagg aagaaaattt caattttcag attcaaagga agcacccttc ctagtctata 120
 tatatagtaa gcggagaact agttttacag tgctcatttc aggtcttcag taagtgtgta 180
 tgatgatgtc agaagtattc attggctcac ttccaaatca ctgaaaattc agccatgcta 240
 aggttggtcta ttacgtgtat tagcgtttcc aagcgagtgg tcttggtctg ggtgagattg 300

<210> 218
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 218
 ggtagacagc ttcaagtggg actcgggtggg atacatgaaa catttggtgacc gtgaccggga 60
 aaagttagcg caccatatgc ctttgtttta ctgtctctat gagaatcggg aagaagaatt 120
 tgtgaagacg attgtggatg ctctcatgga gggtacagtt taccttcaat cagacaagga 180
 tatgatggtc tcattatact gtctggatta ctgctgtcac ctgaggacac ttaagttgag 240
 tgttcagcgc atctttcaaa acaaagagcc acttataagg ccaactgcta ggtgtgctta 300

<210> 219
 <211> 296
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (296)

<223> n = A,T,C or G

<400> 219

ctgcaaagaa aggaagattt ttctttttac aactagatat tagttttaga ggaaggaaat	60
agctgaaaaa ctaaaattgc tttggtgaaa tgctctgtnc ngancagtnc cttggcatac	120
nacanctnca atngggggagn tnttatcat nctctgacgc tntantnnta ngnggactct	180
nnatttntctg nncntnttan ggttnnccnn tngtctgttn tcttnagtan aattangcnt	240
ccttnnanng ttggtgtctn ntntgcata tcnntttang cttttnttna tattta	296

<210> 220

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(300)

<223> n = A,T,C or G

<400> 220

atttcccttt gccctgccac ttccaccata gggccttctt acctggcaga ggagtgcctt	60
agataccaga agattggcag ggaagaaggg cagccacttc ctggttacca tggagaagct	120
tgctcatgctc caagcctgtg cttacttgtc cagtagcaac aatgggaaac tgtattattt	180
ggggtagggg tagaaccctg agggcataaa gctcagaatt ccangctgca tctggtanaa	240
tcggcttgcc nggggttcan ctgctccctg ggaggccttg gcatactnag gctgctccag	300

<210> 221

<211> 300

<212> DNA

<213> Homo sapiens

<400> 221

gtacattgtc ctgacactgg aaaagacatt tggaatttac tttttgacct ggtctgccat	60
gaattctgcc agtctgatga tccaccatc attcttcaag aacagaaaac agtgctagcc	120
tctgtttttt cagtgttgtc tgccatctat gcctcacaga ctgagcaaga gtatctaaag	180
atagaaaaag tagatcttcc tctaattgac agcctcattc gggctcttaca aaatatggaa	240
cagtgtcaga aaaaaccaga gaactcggca gagtctaaca cagaggaaac taaaaggact	300

<210> 222

<211> 300

<212> DNA

<213> Homo sapiens

<400> 222

ggagaagcaa ctgacgacag atgctgcccg cattgtgcag atgcagccca gaagcagatc	60
cagagcttga ataaaatgtg ttcaaaccctt ctggagaaaa tcagcaaaga ggagcgagaa	120
tcagagagtg gaggtctccg gccgaacaag cagaccttta accctacaga cactaatgcc	180
ttggtggcag ctgttgccct tgggaaagga ctatctaatt ggagaccttc aggcagcagt	240
ggtcctggcc aggcaggcca gccaggagct gggacgatcc ttgcaggaaac ctcaggatta	300

<210> 223

<211> 300

<212> DNA

<213> Homo sapiens

<400> 223

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ctcaatctct tgacctcatg atccaccgcg cttggcctcc caaagtgtg ggattacagg      60
catgagccac tgtgcccagc cctcccttc cttgtttttg taaaataaag tcagagaaac      120
ttttccagct atagtcaact aatacacatt gatttgaagg agtagaaact gaggagttta      180
cataaaataa cttctctgtg aagtattagt gagatgatca ggccctggggg gggagcttga      240
agagaggagt ggataaagca gtcaagggtca aacaggagtg agacagtgag caggactgaa      300

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<210> 224

<211> 264

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (264)

<223> n = A,T,C or G

<400> 224

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accacgtcat atacagccta caaagagctc ttgactgtga gctcgcagag gccagttgc      60
ataccactgc cattgacaaa gagggtcgtc gggctgttaa agcgggagct tatgctgctt      120
gccaggaagc aaaggaagat ataaagagtc attcagaaaa tgtctctcaa catccacttc      180
atgtagaagt attacactca gagattatgg ctctattanaa atntgctttg ngccttnttt      240
nctgnatnaa tnnntttatt ttnt                                           264

```

<210> 225

<211> 300

<212> DNA

<213> Homo sapiens

<400> 225

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gaaacatggg gaaaagtctg taaactcctg gttgatgcaa ttcataatca actaactgac      60
atggaaaaat gtatttttgaa atatatgaaa ggaacatcta ttgtgggtccc tgaaccactg      120
cactttttat taccagggaa aaaaaatctt gtaacaattt catatccttc aggaatacca      180
gatggccagc tgcaggccta taggaaggag ttacatgatc ttttcaatct gcctcacgac      240
agaccctatt tcaaaaaggtc taatgcttat cactttccag atgagccata caaagatggt      300

```

<210> 226

<211> 283

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (283)

<223> n = A,T,C or G

<400> 226

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cagcatcttt caggtcatcc ggagctgcaa tcgaagtctg gagacagacg aggaggacag      60
ccccagttaa ggaaacagct ccaggaaaag ctccttgaag gataaaagcc gatggcagtt      120
tataattgga gatttgttgg attcagacaa tgacatcttt gagcaatcca aagaatacga      180
ctctcatggt tcagaggact cacagaaggc cttcgaccat ggnacggagc tcatcccttg      240
gtcgtgctgt ncatccaanc cgatgtgccc anttctntget tta                                           283

```

<210> 227

<211> 300

<212> DNA

<213> Homo sapiens

<400> 227

gggaatatcc tcaaccttaa atccttatct gccgttactc agggatatac taggattatg	60
tcatcaatta tcttcaataa tagcattttt ggtcaaatta aatgagtggg aagcttcttc	120
acaatgtgac cattgaaatt gaatggtttg ttctgtacct ttttgcttca gcaatcaatt	180
ttctccatta agatgggact tgtactttaa ttcagatatg gtacctcccg aatagaaaat	240
aaattatgtt aatatagttg taataataag tgtgtgttaa gatttgggta ctataaacta	300

<210> 228

<211> 300

<212> DNA

<213> Homo sapiens

<400> 228

gctgggtgca tgtgctacca caccctaatta tgaatttcat cattagtttc ttagtagagt	60
ccacatgtcc tcagtagtaa gttcatcagt gctaaatatt tgaaggtatt tctactgttt	120
tgtaaaagta acttaagcct acctgggtctg ctatcttttg agtatttata ctttctacgg	180
gcttgtaggt aaacataaaa agagaaaaaa tatcccaata atacagtttt taacctttta	240
tgataaagac atgcttagaa tgctgttaag ctttctgaga tttaaccact gaaactaagt	300

<210> 229

<211> 300

<212> DNA

<213> Homo sapiens

<400> 229

tgagctggga gaaggggaga aagtttgtga agaggagatc ggtgacctgg gctccttatg	60
tgccctgaaag agtttgagtt tcctgttaac tccaaatcaa cagtattttc aacaagaaat	120
gtgcaattga aatcaagtgc tgtttaagtg cagctaggat ttccacagga agacacttgc	180
agtgaacaga gttatggagc agcaaaaaca cagatctatt tggaaaaaga gaaaacatat	240
gcgttgtatt ttgcttcaat tataaaaatac catcctctca aagggtgggtc taaattacaa	300

<210> 230

<211> 300

<212> DNA

<213> Homo sapiens

<400> 230

tccttttagg taacacaaag ttccaagtat gttacctagt ttacagagtg gtactcaaga	60
agagaattaa cattcttact gtaaaacttc attgataaca atagtctact tctagaaaca	120
gaaataagaa ttaaaaacag tgctatctat ttgtactggg gagtgaattt taacttttaa	180
gaaaatttta atgtttaaga agaacttcag tgtatggagt tacaagctat cctgaatatt	240
tttataatag aaagtattag ttttccagcgt gtggcagcct ctttaataaaa gaaattattc	300

<210> 231

<211> 300

<212> DNA

<213> Homo sapiens

<400> 231

gaactaatga aaagtgggtg tctctaacct tggtagctt tcagagcatc aggggttaaat	60
tacctcaact tttggcagg atactctaaa gctatttaagt atataatatg ggctcggcat	120
ggtyggctcac acctgtgagc cacctagcac tttggcagtc caaggcggac agatcacttc	180
aggtcaggag tttgagacca gcctgtccga cgtggtgaaa ccccatctct actaaaaata	240
caaaaaccga gcgtgggtggg tggcatgcac ctgtgggtccc agctacttgg gaggctgagg	300

<210> 232

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 232
 gagacctgca gccctgtgtt cgtggcagac agcaggtgcc tggcgggtgac ccacggggct 60
 cctgggttgc agctgggtgat ggtcaagaac tgactacaaa acaggaatgg atagactcta 120
 tttccttcca tatctgttcc tctgttcctt tccccacttt ctgggtgggt ttttgggtcc 180
 acccagccag gatgctgcag gccaagctgg gtgtggtatt tagggcagct taacaggggg 240
 aacttgtccc catggtcaga ggagaccag ctgtcctgca ccccttgca gatgagtac 300

<210> 233
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 233
 agaaggctct taagacactc aataaatata cttattgaat tagtagaact tttcccatgt 60
 atctcctatt actacattag gatctttgtt cccttagtgt gtctttagcc tgtgctctca 120
 caagctttgt ggtgtcgtgt ggatcacagg atcgtttaag ataaagatac ttttagctct 180
 ttaattctgg tattctatta ttgtacagg gaaccatac attatcttaa tttcagagta 240
 acacacgtct cggcatggga caggggggtgt cctaataaaa agagggctaa caggtggaat 300

<210> 234
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 234
 ggaaggggta atattctcat tttccctcc tattctatct ggagagatca taaaatacat 60
 tacagttaga gtcaacaatc accacttgaa gaaatctctt caacacaaaag cctgataaaa 120
 tttacatctg gtaaagtgtc atttaagcta ctgcgaaaca catatactta aaaaaaaaag 180
 gccttttcat tgtctcaatg tcttgaaggc tggagattgt aaagcacttc cctaaagtgc 240
 ctatgagcag gatgaggcta tttgccttta tagagctata gaactaataa gcaatcaaag 300

<210> 235
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 235
 ggacattata tgtctgaatt ttcacagtac ctttaattaa agagatatct ttaattaaag 60
 tagctctgtg aacagcaagg aagtggatga ggaaacagaa attggcagag tccatgattt 120
 gtccagatta aactgccatg agtgactgta acaaaaattc agaacttatg taactcaaat 180
 aggtatattt gagaaatagg tcggcacagg tcaagatgtg aaagcccaat aaagctaggc 240
 agagacttgg taagataaaa aaaaagtgc tcaaaatggt cagtgcagct agtgccctga 300

<210> 236
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 236
 ggtatcagaa gccaaagccag agctcagggt ttttgattca cagcccttta taaccattat 60
 cattttgaat gaaaagtaaa tcaactgttc ttagtgattt gggcatgttt cctgagttaa 120
 gggatctgtc tgacatccgt ggtaagcctt gtcttaagtg aattgtgggt aaagacttgt 180

```

cccagatgga gtgggaggac atgaaggatg aggaactacc ttcaggacct tccagtccat      240
aggcagaggt gggggaaaatt cacagaaaaa caaatgagtt aaagggatac tgcagtagtg      300

```

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<210> 237
<211> 287
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(287)
<223> n = A,T,C or G

```

```

<400> 237
gtacagcagg ccttgatttc aacaataaaa tcccgaacct ccttgctgcg ctgcactgcc      60
cccgggagct gatgggttgg agactggaaa tcagaaaaca cacaatccag aaacatgggt      120
tatctggaac ctaggatat aagatgccaa gataagtcaa attcacagag acacattgta      180
gaatggtgat tgccaggggc cacagaggag ggcagaaata agttattctt gaatgagtac      240
agagtttcag ggttttttgc ttttgttttt tttttttnt ttaaaca                287

```

```

<210> 238
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 238
cctcggccct tgcccagggt ggggcctggc cctcatcttg accaaagctg ctgtgtggca      60
gctcggcctc tctacgacct catcttggtg gctgcacact ttccctggcc cgcaccccca      120
tccccagctc ctgttcccca agaggataca gagcacggtg ctggctgact caactgtgcg      180
tcccaggttc aggggtcttac agagctccac cccctggggg cttacctcac tgggaatgtg      240
ttttgaaaat gaatttgag acaagccaac aaaccctgca ctccaaaaaa gcaaaacaga      300

```

```

<210> 239
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 239
gggcatgtac accctgctgg cgcgctgcga ggagctggag cgggctctgc agccggttca      60
ggggctggcg cgccaagtcc gggatatccg acgtactctg gaggtgttgg aggcctgtg      120
caagtgacca ggaggacagg agaggccggt cctggccagg gcaggggcca gcaggaccct      180
aaggactctt cagggagtcc tgggtgggaag tgcccactga ggggaggcct gtgtgttggg      240
ggctcttcca gatgcgttca gctggcccgt gcccactcgc tgggccttag gctgggtgtat      300

```

```

<210> 240
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 240
gggaagtttg tcaatgacaa gagcaggaag agcgagaagg tgaaggtgat tgacgtgact      60
gtgcccctgc agtgccctgg gaaggactcg aagctcatcc tcacggaggc ctccaaggct      120
gggctgcctg gcttttatga cccgtgtgtg ggggaagaga agaacctgaa agtgctctat      180
cagttccggg gcgtcctgca tcaggtgatg gtgctggaca gtgaggccct ccggatacca      240
aagcagtccc acaggatcga tacagatgga taaactgcc aagaaccagat ttttaaaagg      300

```

<210> 241
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 241
 caggagcatg ttgcgtcgtc actagctgaa tgagaacctt cgggtccaag tttcagcttg 60
 tgggtgttaa cacctacagg cacatcgatc cgattagaaa aagcagtggg tgcaaacctt 120
 ttcctggacg gcttcctttc ctgcctata ttgataacct ttcttctcgg agatgtcgtc 180
 ccagtaaac tgcttctgac tagctgcttc tgaaatgttc tggggcctcg aaccggccgg 240
 tctggccacc tcaatccaga ctggctgcac ccgctgctcc cgcgaggcct ggattcatgc 300

<210> 242
 <211> 277
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(277)
 <223> n = A,T,C or G

<400> 242
 ggcagatgtc acaacagaat aaccacttgt ttggagcctg gcacagtcct ccagcctgat 60
 caaaaattat tctgcatagt tttcagtgtg ctttctggga gctatgtact tcttcaattt 120
 ggaaactttt ctctctcatt tatagtgaaa atacttgga gttactttaa gaaaaccagt 180
 gaggcctttt tccctctagc tttaaaaggg ccgnttttgc tggnttgctc aagggtacna 240
 atnggncntt aatngnatat taccgnanan tgcctta 277

<210> 243
 <211> 291
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(291)
 <223> n = A,T,C or G

<400> 243
 atgaagtcag ggcaggccgg tgcccttttt gggaggcacc aggcggggag gagttggcgg 60
 agcaggctctg gctgtgagcc agcaccaggc aaccggccc ttgtccagg accctctgctg 120
 ccttctctct ggggtcagga acctcagagg aggtggctct ggctactgca taggacgcan 180
 tnaactngnan ntgccgtntt ncctgtctna ttttctgtan ntntntnenn ccttntttt 240
 ntnttttntc ttnttngan ttntnttntn nntntntnt anttttatc t 291

<210> 244
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 244
 ctacgtcttc accagctgtc agatgctgcc acagggcgag aacctccaag atgtgtctcc 60
 cagggacatc tactgcccgc tcaagcgcca cctggagtat gtcaagctca tgatgcctt 120
 gtggatgacc ccagaccagc ggggcaagg gctctacgca gactacctct tcaatgctat 180
 tgccggaaac tgggagcgca agaggcctgt ctgggtgatg ctcattggtca actccctgac 240

tgaagtggac attaagtccc gtggagtgcc tgtcttagac ctgttccttg cccaggagggc 300

<210> 245
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 245
 gttgatgaga agtctaaagc agtaatagta gaattacatt tcttctgggt ttaatagtaa 60
 ttgttgctctg ctgccttctt gcagtttacc ctacccatag tgtgtaatgc cattaaaacg 120
 aagtatagaa agatccattg gcctggagaa aggttagagg tgtaggagtg tatgacattt 180
 agttcattgt tcttactggg ttcagcacat tgcaccctgc gtgtcatttg caacttaaaa 240
 gggatatagat taaaacttgt gctcagtgtg acaactcagt accacaaaaa tggtagaatg 300

<210> 246
 <211> 290
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(290)
 <223> n = A,T,C or G

<400> 246
 gttacatcaa gagataaata gagtgaagca gaactagtgg tgcggaccag ctgcgccagca 60
 acagaaggggt ttgtagtctg cctggcagtg gacagggagg ttggctagaa ctattacctt 120
 aggtccgtga taatatccct gaatccaact ttccagaaaag aaataggtaa catatttttc 180
 accaggaagc ttaccaccaga cactgaacag aatgggtctca gtgcactaat ggaggctcag 240
 ttaaaggggt gtggatcnca tggaanagan nttctgantt ggatatttgg 290

<210> 247
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 247
 tggagaggcc ttggcaaaat ggctcatcac gttcaggccc tccgggctga gttgtcagca 60
 gtatcaaggg aggggcctgc tctatcccca gaaggatcag gatcatatcc aggatgcccc 120
 acatacacca agccaggcag agggcagctc agtcctgtc ccatctgctt tggatatctt 180
 taccctaaag caggtaaccc gaagagccag cctccactgc ccacagagcc agggccagtt 240
 gtgttggagt ataggtcagg agctgtggaa ggaggcagtc tgtgagggac tcatgcttta 300

<210> 248
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 248
 tctgggagct gattggagaa gcggccaaga gtgtgaagct ggagaggcct gtccgggggc 60
 actgagaact ccctctggaa ttcttggggg gtgttgggga gagactgtgg gcctggagat 120
 aaaacttgtc tcctctacca ccacctgtta cctagcctg cacctgtcct catctctgca 180
 aagttcagct tccttcccca ggtctctgtg cactctgtct tggatgctct ggggagctca 240
 tgggtggagg agtctccacc agagggaggc tcaggggact ggttggggca gggatgaata 300

<210> 249

<211> 287
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(287)
 <223> n = A,T,C or G

<400> 249
 cttcagcgta gctctccacc tctacccgga acacaccctc tcacagacgt accaatgtta 60
 tttttagaat ttcattggatt tagttataca taccttaata gttttataaa attgttgaca 120
 ttttaggcac attnggtcaa tattatcatt gaatannttg agacgnnnng gtgtntttt 180
 tatnttttna nggnttnng ttatnnnann atttnnggtt ttannnaatn gggggggngt 240
 nnannngnat attggngtga nnantaatta gggntttttt tgtgttag 287

<210> 250
 <211> 259
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(259)
 <223> n = A,T,C or G

<400> 250
 agtcagcatt atttaacact ccccttaact gtctttgaac tttctctttt aacaaaaatg 60
 tcaagtcttt acagttgtaa tatcaccatg tttcccatgt ctgttaatac ttctatgaac 120
 ccctaaagta ttgaaggga ctagnngnng ncnagaggat cacannnnnn tgtntntan 180
 ngncaanatn tgcnaaaca gttactngnn ctnnnggnat gngnnnccn nagtntnnga 240
 gccnntgcnn tncatgttc 259

<210> 251
 <211> 257
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(257)
 <223> n = A,T,C or G

<400> 251
 agtgctcggc tgctgccagc tgctcccaat gtgccgatgt ccgtgggcag aatgactttt 60
 attgagctct tgttccgtgc caggcattca atcctcaggt ctccaccaag gaggcaggat 120
 tcttcccatg gataggggag ggggcctgtn acgngctgca gngacaaacn tangccgntg 180
 gganttangn ntntttcant cattntangn tgnnataann nccataannn ctngnatnng 240
 tatnnntna ctnnct 257

<210> 252
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 252

caagtgccga	gacccgaccc	tgggcgtggt	gcatcgaggt	agatgcaaag	atgctggcca	60
gagcaagtgt	cgcttgagc	gggctcaagc	cctggagcaa	gccaagaagc	ctcaggaagc	120
tgtgtttgtc	ccagagtgtg	gcgaggatgg	ctcctttacc	caggtgcagt	gccatactta	180
cactgggtac	tgctggtgtg	tcaccccgga	tgggaagccc	atcagtggct	cttctgtgca	240
gaataaaact	cctgtatggt	caggttcagt	caccgacaag	cccttgagcc	agggtaaactc	300

<210> 253

<211> 300

<212> DNA

<213> Homo sapiens

<400> 253

gctgcagcaa	ctgctgctgc	cattgcaacc	gcagctccgt	tgataaaagt	gcagagtgat	60
ttggaagcaa	aagtcaattc	tgttacagaa	ttacttagta	aattacagga	gactgataaa	120
cacctgcaac	gtgttacaga	gcagcaaaca	agcattcaga	ggaaacaaga	gaaattacat	180
tgtcatgatac	acgaaaagca	aatgaatgtg	tttatggagc	agcacataag	gcatcttgaa	240
aagttacaac	aacaacaaat	agatattcag	actcatttta	ttagtgtctgc	actcaagact	300

<210> 254

<211> 300

<212> DNA

<213> Homo sapiens

<400> 254

gggaaaacaa	aaggtaatag	gaggggtgct	gggagaacaa	ataggaagaa	aagggaaaac	60
ccagaaatag	taattgttag	tacccttgct	acttgactgt	tgaaaatgct	ttaaaagtgt	120
gttctgaatt	aggagaaaag	gcgctccctc	aaccaggctg	aaactaccac	cagtgttggt	180
gccagaaacc	tggagcagga	aggagctgct	tctccctccc	gccttccagt	caccaccat	240
taatacctgc	tattggcaag	gcccatctgg	atggcagatg	gcaaagcagc	ctggaaagtg	300

<210> 255

<211> 300

<212> DNA

<213> Homo sapiens

<400> 255

gtttgagctc	ttgagccagt	gacttccctg	cacgttcagc	tttctccttt	gtgaaatggt	60
aatagaagca	cgctgcactt	gggattcttg	tggattacat	gtgaggggtc	tagaaacact	120
tgatgtgtaa	gccaactatt	atgtattact	gtatatggaa	cacaagggat	gtagccaaaa	180
ctaaatgcaa	gtttgtgcct	cagatgtctt	cctatcagaa	cagagtcaaa	tccagatttt	240
gatgcttaaa	tgtgacagct	tattcagatt	tagaaaaact	tttggatatg	gccaaagaaa	300

<210> 256

<211> 275

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(275)

<223> n = A,T,C or G

<400> 256

agcactgtga	gtgaaaataa	aaccaggagc	agggttagca	tatctggatt	ttagtctgag	60
ctctttgtca	aaaaagtcct	gggcctcagt	ttctttatta	ctgaaggaga	gaatcaactc	120
tgtgattcta	agttataaac	caccgttatt	aaagttctac	tggagccaaa	actccaaatt	180

gtttctgtata ttaaaacttt tcggcagggc atngtngctt acacctgtaa tcccaatact 240
 ttggnaggct gnggnnnnncn tatkncatgt gccca 275

<210> 257
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 257
 ctgttccactg gcacacaatc acagtgtctt gatagttttt ctggttttga atttctggaa 60
 gggaaatcct cttctgagg agacttcact ttccgtcagt aatggggaaa actgtttccc 120
 tcgggatagc agaggtcatt ttaaaagaga acactcagca gaaatgaaaa tccaaacaac 180
 tgatttttaa ttctgtcttc ttgtttcagt gatgttggc ctgattctgc ctatgagacg 240
 ggaataaaga gagatttcgg gaaaagtgtg aagccaaaca tgggtgctat taaataacca 300

<210> 258
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 258
 gtttctttcc catctgcctt ttctgtctt tcagaacatt tctgggggtg tgtttgggct 60
 cagcactgtg ggaagtgaag catttagcct agccaggagc tgggcattat ctgtcagatt 120
 accaaatctt gagttatctg tgggtctaca aagaaaagaa ggctgaagga accagacaga 180
 gggacagtgg cctgggaaca gagccaagat gatcatgtt ttttaacaaa gcctgtagat 240
 caccgtcaag aaaggaattt ggaggatagg agtatctaca tgtagtgggg gaggtgtggg 300

<210> 259
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 259
 ctttacatca tctattctac ctccattcac tgggtcaaaga agcgcagagt taagttggcc 60
 agtgtggcgt ggacacagcc aggcgcagac cctcctgcc gcgaagccag cgtgaggtct 120
 gttggctcag ggggtccagtc cctgggtccc cgaagaggta agccaaagac atagtgatac 180
 ttggttcaat tcgggtccag agagtatcag atgggaaata gatgacttgt tttacctggt 240
 caaataagac atcactaaaa tctaccatga ctggaaatta cttaatgcaa ccagaggaga 300

<210> 260
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 260
 gacatttcca atagctcctt tgtgaatttc cagatatggg attttcctgg gcaaatggac 60
 tttttggacc caacctttga ctatgagatg atcttcaggg gaacaggagc attgatatac 120
 gtcattgacg cacaggatga ctacatggag gctttaacaa gacttcacat tactgtttct 180
 aaagcctaca aagttaaccc agacatgaat tttagagttt ttattcacia agttgatggt 240
 ctgtctgatg atcacaaaat agaaacacag agggacattc atcaaagggc caatgatgac 300

<210> 261
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(300)
 <223> n = A,T,C or G

<400> 261
 cagggatgtg aggctgctgt tgggggtggg gggaggggaa tgggcaggca agccagtctt 60
 ctgtcttcct ttgctaactt agggttttga gcaggttggg gtatggtgcc tgacataccc 120
 acctgccacc ctgggaacct cactgatctc tctttcagcc tacacctgct gatccatgat 180
 gtgtgtgaat tgagggtgta tgannnnct ncatcaaccc canagatnaa taattcttct 240
 atcaataatc agntnttacn actnaatgcc attcgnattc ttgntattca caaaagatct 300

<210> 262
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 262
 gcactcggta aactctggga ctggagccaa gagactgtga gaaatgacct ttctcatcaa 60
 gtttgtccca agccaggctt aaattgatag atcgtctagg ttttctgatg ctggtaaaga 120
 gactctgtgc ctcagggaca ggtctgcaa gatcattaag aaacagatta aaattaggga 180
 gcaagacaag acaagagaaa gtttctttac gttctcccag acctctcttg gcctataggc 240
 agatcaaatt tggcctctag atcagcttgg acaaaatgat gtccacggtg tctgagtagg 300

<210> 263
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 263
 cagaggtgaa gtgatgtgtt caaagtcaca cgtagaacaa gtggtggaac agacccaacc 60
 agtctgatgg cagagcctgc ctctgaccac tacactgtcc tgccaactaa gcaggtttga 120
 aagagctctc ttagtaaaaag ccctgcaggc gggagtggag agaagttgtt ggtatcccag 180
 tgactttttg aaatgcacag gataagggag ggtggatttt ccaagccatg gtaaggcagc 240
 atgacctgac ccagggtgag ggagaggggt catgatgtaa acctcagagt agctagtcac 300

<210> 264
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 264
 gacaccaga ggcagggcat cgagcgctc aaacgaaaga accagcccag ggagcacatg 60
 gggagctggc agtcagtaaa ggagacctt ggtggggact tctccctgaa ctggttcaac 120
 cccttctcca gaccgtgtca gccagagatc cccagtgaac aagacatggt gcggcagggtg 180
 acatcgctgt cagacaccga aacaatggag gatccatcag aggagacaaa ggacgaggac 240
 tctgtggagg tgacagatga atagatgctg ctgtggggag agaagcaaac actaaaaagt 300

<210> 265
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 265
 ataaaacagg aatttttgag cgggttgacc gaaggtagt gtacaaattt ggaaaaaatg 60
 cacacgggtg gcaggaagac aagctatgat ctgctccagg catcaagctc attttatgga 120

```

tttctgtctt ttaaaacaat cagattgcaa tagacattcg aaaggcttca ttttcttctc 180
ttttttttta acctgcaaac atgctgataa aatttctcca catctcagct tacatttgga 240
ttcagagttg ttgtctacgg aggggtgagag cagaaactct taagaaatcc ttttcttctc 300

```

```

<210> 266
<211> 283
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(283)
<223> n = A,T,C or G

```

```

<400> 266
aggatccaat actgcctttc aataatatac caaaatacta gttttataaa tgttggttaag 60
gtggactgga aaaactaata catattttga agtatttctc tgatttattg aggatatgat 120
gggcaaaggc aagctttctc gtaggtatta tgagagcaga cagatatttt agtgtgtttg 180
ttgacatgag agagtcattg gcagcgcagg gaatagagag ggaggactgg tctgattatc 240
tggcaatggg aaattgagtt tagtacggan aattgagagg ata 283

```

```

<210> 267
<211> 154
<212> DNA
<213> Homo sapiens

```

```

<400> 267
gaggaccgtc cctctcctcc ccttttccct ctttcggaaa ggggtttctg cggggcccg 60
gagcctcgga gtaccgaacc tcgatctccg gggcggggtc cttggtgggg actgaacgcc 120
ccctcccggg gacgggcgga ctggcccgcg agta 154

```

```

<210> 268
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 268
tgagtcttca aaaagtatca gaagagaacc aaaatgcttt atgacaacag cagagcttga 60
gcatcttgag aaccaacttt gcccaagaat attgattagt agtttctgcc atggtcacag 120
gaaaggagaa tttagcattt tgtgtctctg tgtgtcatac ctgaataaga gtctattggt 180
gcaaaagagc atatccaata gtgatattca taaaataagt gacgcaaat agtccatgca 240
ggatgggcac agtatttcaa taaaatacag gtagttaagt aaaggtaatt tctagttgag 300

```

```

<210> 269
<211> 294
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(294)
<223> n = A,T,C or G

```

```

<400> 269
aaaacaaggg aacagtgtgt aaggaaactg tgcacatcac tgactgggtac cccactctca 60
ttttactggc tgaaggacag attgatgagg acattcaact agatggctat gatattctgt 120

```

```

agaccatagc gtgattgtta taattttata cttttataga gcacttgata ataaatgtat      180
cctnatntct atggnntttta tccgtacaag tgtgctgcat tctantgnta cattntnggt      240
ntanctatna gtaccttatn atantcnttc ttntntcat aatttgnttt ctga              294

```

```

<210> 270
<211> 294
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(294)
<223> n = A,T,C or G

```

```

<400> 270
accgggacca gaacatgacc ggctgggcct acaaaaagat cgagctggag gatctcaggt      60
ttcctctggt ctgtggggag ggcaaaaagg ctcgggtgat ggccaccatt ggggtgaccc      120
gaggcttggg agaccacagc cttaaggtct gcagttccac cctgcccac aagccctttc      180
tctcctgctt ccctgaggta cgagtgtatg acctgacaca atatgagcac tgcccagatg      240
atgtntcant ncttggnaac anatggcctg tggtaatgtn ncttctgatt gtgg              294

```

```

<210> 271
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

```

```

<400> 271
ggaaatttgg gaagaatcca agaagtatag gccaatgaaa acaagttatt aatacaata      60
gtactgtata tgagagtaca cattaggaat gctgtgcttt aatgcataaa catgtttaca      120
gtgggtccaca tgtgccagga gatgtgggaa tggctacccc tgaagtcata tggagaaatg      180
gggtcctcat cgcacaccat acacanncat nactnnacan atggnttana gacncttaag      240
acctganncc aancaaactt ctaggannan actcanggta naggcncnatg nnatttgttt      300

```

```

<210> 272
<211> 299
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(299)
<223> n = A,T,C or G

```

```

<400> 272
gcacgcccc ttttctccgc cacttcacca gttttgaaa tccaacctcc cagacttcac      60
aggaagatag atattcttga gataatgaaa agtgatatct tcgcatacta aaggaataaa      120
ggttgaggta tatatgattt ttaactgtat taggggtgta tgaaccagtt taaaaacgag      180
gttttattta ctgtacagat gaatgcaaat cagaaccaat gatcccttgg cctacttagt      240
tannaccngt tcatacatcc cttanggctt ttattattat tattattatt attacagac      299

```

```

<210> 273

```

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 273

cccacacctg cctggccaac ccctggcact gatgatgcct gggcgcggt taagctggga	60
ggagctcctg cctgcctgga tgaagaggag gtcaagactt tgtccccac tccgcaagat	120
accctctctg ttccggagcg gtgggtccct cccctgttag gacctgtct cctcaggac	180
tggacctgga tcctgggcct gcagtcagat tgccagtttc acctagaggt ggaaatgtca	240
accactggt tggaatggga agctgctgtg ttgtgagcca ccttatggaa aacctatgtg	300

<210> 274
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 274

tgtcttttatt tttttatatt tcctaaagta aaatctgaga atgacccaag aatatttgtt	60
tcagaggggt gtctttttgt tggcaagcag tgaagcacat gtaagtttct caagcttttag	120
aatatatata tattaaaaaa caaaacaaaa aaaatgaagc acagacatgt tattttccca	180
gagccatcag tccaaagtat ttcactgtat tattagaagc aacaacttct aaacattcaa	240
ctattccaaa aataagattt tcctccagta agttatcatt ctcaacttgat aataagataa	300

<210> 275
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 275

attcgacctt ggtgaatgat gcctataaga ccctcctggc cccctgagc agaggactgt	60
accttgtaag cttaaagctcc atggaataga gatttcctgaa aggacagatt atgaaatgga	120
caggcaattc ctcatagaaa taatggaaat caatgaaaaa ctcgcagaag ctgaaagtga	180
agctgccatg aaagagattg aatccattgt caaagaaaga atttactgac aatgtgagca	240
gtgcttttga acaagatgac tttgaagaag ccaaggaaat tttgacaaag atgagatact	300

<210> 276
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 276

tatttactct ggaaagtagt agcagcactt caaggacata ggggttgctc atgtcagttg	60
tttctgtttg tattggaaga atcataataa caaatattta agttggtaaa ttactaggta	120
aacagggttg tggatttttt gttatttttg agaatacttt ttagtttgat tctttgaatg	180
aattttacata acagcttttc tgtcaagtca gtaatttcac ccattcttaa aaaacaagta	240
ccaaaagagt ttcttaacac catatactcc ttagcagct gctgcctagt ttctctctc	300

<210> 277
 <211> 281
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1) ... (281)
 <223> n = A,T,C or G

<400> 277
 gggagaagag cgcgcagcgg aacccctgtg tgcaccaacc tccccagag ctccggagcg 60
 ccctctcctc acttccaggt tttggagcaa gagcttgagc gaagcccgc cccagcttcc 120
 ttctgacctt cagttcactt tgtcgccctt ggagaaagct gtttttcttt aactaaaaat 180
 aacaaaaatg ctaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240
 aaaaaaaaaa aaaaaaaaaa aaacnnncnc nnntaaaaaa a 281

<210> 278
 <211> 125
 <212> DNA
 <213> Homo sapiens

<400> 278
 ggagagcagg gcaagggtc ttgggcatca catccagagg ctgagggagg ggagacctgg 60
 ctgtgttcgt ggaactgaag gaccactttc gcgactagac cttagccagg gggaggtgtg 120
 ggagg 125

<210> 279
 <211> 254
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (254)
 <223> n = A,T,C or G

<400> 279
 ctctggtggt cttcaaattt actttctccc actctgccag tgctgctaata ggaacaaaca 60
 gtaaatctgt agtggctcag ataccaccag caacttctaa tggatcctct tccaaaacca 120
 caaacttgcc tacgtcagta acagccacca agggaagttt ggtngnntta gngnattatn 180
 canntgatnn ngangaanan caannaaatn nnttntnnng aatnngtttt tttaananan 240
 ngnttctnnt taaa 254

<210> 280
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 280
 gtgccaagg cgcccgact cggcctggc ctggagagg tgcacttcga gaagtacaac 60
 cagcgctttg gcaacgatgg gctgcatgag ccgctggact gggcgaggga ggaaggaaaag 120
 gtcgcagcct tcaaggagga gcacatctac cccaccatca tcggcaccga gcgggacgaa 180
 cgctccatgg ccagtggtg gagcaccttg cccatccaca acttcagtgc caccgctctc 240
 acggcagggtg gcacgggagc caagggtgcc agtcccctgg aaggcagtga aggggacgga 300

<210> 281
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 281
 gctttagctg ttagaaaagga acccccgatga catgacacag acacacgtga acaccagcc 60
 cgccggtcct agcagccagc tgtgaaagct gtgtcaagtc acgggggttc ccgtgtgtct 120
 gtgtcatgga tgcaatgcgg gccctggagg actgtgcgtc acccgatcac cagagcgtgc 180
 ctccgggcca gcttccctcc aaggaatgag tggatttcac acaggatctc tttattgcac 240

agactgaatg gctttacatg tttctaattgt gaattaggca tgtgaagcag tgggtgtcca 300

<210> 282
 <211> 300
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(300)
 <223> n = A,T,C or G

<400> 282
 atacatggaa gtctcaaatc tgaattttta tccatctcaa tatgaccatt tctctctgtt 60
 gggagctgaa cagattaagt atatatctgc caggttggga aatatttttg tctatctttt 120
 cctgtcatca gaacttaatt taaaaaaatt atcaaaggtc agatgtgact actacagtaa 180
 gttggctatc ataaagaata ttccataaaa tgttttatct gccatacaaa attactgggt 240
 ttatggcccg atgtggtggc tcatgcctgt aatccanca gntcaggatt acngggtata 300

<210> 283
 <211> 300
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(300)
 <223> n = A,T,C or G

<400> 283
 gctgcttcgg ggactcagcc agaaagctac tgaggtgctg agcgccgtcc tcaaggatct 60
 ctaccacctg ctgaagcacg tagtgtgtct ggagcccgat gacgtggcca agctccatgc 120
 ccagttggcc ctagaagagc tggatgacat catgaaaaac ttcctgttcc ctccacagaa 180
 gctggagaag aagatcatgg tcctgccgta gacctggctc caaggacngt ggaggaggca 240
 gncanggccca ggnaccaga gncgtgccca ggtctttcan caggtggcct gctgcctctt 300

<210> 284
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 284
 gctacacaac actgctaact tgactgtagc tatgtaataa cattagatcc cctaattgta 60
 attatatggg gtttgacag aacactttta tttcccctc accaatgtga agtgaggaat 120
 caggagtcaa actgtagaac taaaatttga cttcagtcta gcgtttcctt ggtgttttta 180
 gggtgctttg gtaagtttag gtttgctata tttctgattg cttagaattt tgttttagcc 240
 ctttaaaatc agatcataaa tatgaattca tacttctaag gaattttctt gctataagct 300

<210> 285
 <211> 286
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(286)

<223> n = A,T,C or G

<400> 285

atctgtatat	ctttcctttt	gtttacaact	gttaaaaaac	ctcaaaatag	ctctcttcaa	60
aagaagagag	attccaagca	acccatcttt	cttcagtatg	tatgttcttg	acatacttat	120
cggagcgcg	cagctaagng	ntcaagcata	tanacattgt	cngntggan	ngnctngtn	180
acagccactn	nngcattggn	tnacgcnc	nggancnegg	tgnggctctn	ncnctantn	240
centnnntnt	gcnnntaccn	cctcnnnnnn	ncnntatntg	gccttc		286

<210> 286

<211> 300

<212> DNA

<213> Homo sapiens

<400> 286

ccaacctaaa	atatcattat	tttcaatact	taaatattag	cccatcattt	tttatcttca	60
gatgtctata	attggaagcc	tatatagaaa	tggttgatga	gcctatcggg	tgaaccactg	120
cagagaatag	agtgatgggc	ttagggcatc	ctgtactttg	catgctcctc	ctggaagtaa	180
agagtaagac	agagaatagt	aataatcacc	cattccagaa	ctggttgac	aacatcacaa	240
aagcttggtc	agacttatta	gcaagttaat	aaaaaactag	acttctttct	aagtacttat	300

<210> 287

<211> 300

<212> DNA

<213> Homo sapiens

<400> 287

ggtgggtggc	agagggaat	ccaacatgca	gactgtggca	gtgtcttgaa	cttctgttta	60
ttcaggtcat	tgaataagaa	actcttttct	tctgcattcc	tgtctttctg	catgtgtgtg	120
tgtgtgtggg	ctgggtaggg	actgtttttg	agatcactgg	gctgaaatgt	attctagggg	180
tgaaggatct	aggatgtacc	tgctcgtcat	ttcctgactt	caccttttac	caattctttt	240
cttaacaaat	ttaaaattgg	tcagagcagg	agctgctagc	tggcttttta	acagtgtttc	300

<210> 288

<211> 300

<212> DNA

<213> Homo sapiens

<400> 288

gtcacatcct	cttaagtcag	gaactatctg	tataaggaaa	caagatttcc	attttatcat	60
ttgaaatgta	tttgactttg	tttcactagt	tgcatatcc	ccatggaaaa	cttcacattg	120
agaacttacc	attatatatt	tcataaaaa	tgcatgaacc	atcccttagc	taagtaagga	180
ttttgtaatg	ttctctcaat	aatgttgctt	ggcaaagtta	atattttttg	tatgctgatg	240
aaatttagaa	aagtccaata	ttgagcttga	ttgcaaactt	agaaaaactc	aagactttct	300

<210> 289

<211> 300

<212> DNA

<213> Homo sapiens

<400> 289

aagggaagca	ttccaaagat	tttcaactgt	tatgttcaaa	ttacaacatg	tcagaaaagt	60
tgtgcaactg	aaaatccttt	caaacaacag	ctacaaaaga	gattggtcag	ttaggacagg	120
aatagaaagt	ggaaacttag	aagactggct	actccttggt	tatgattgct	ggggtgagtc	180
tgtgctgaga	actttttaca	aagggtgtcc	tttgctgata	tgagaggggg	gtgtcaaac	240
tttgagtgat	cactgtgggt	cctcagctta	gacatcttct	ctggcccaag	atggcacccc	300

<210> 290
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 290
 ttgcttcggt cactagccca ggagacattt cccacccat agacctagtc aagaaagagc 60
 cttatgggct ttcaggactg aaaagagctt ctgcttcttc tctcagatcc atctctgcag 120
 ctgaaggaaa caagagctac agtggatcta ttcaaagctt aacttctgta gggtccaagg 180
 agacacccaa agcttcacca aaccagacc tgcctccgaa aatgtgcagg agattaagac 240
 tagacactgc ctcaagcaat ggctatcagc ggcctggctc agtagtggca gcaaaagctc 300

<210> 291
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 291
 cgcgctttga aaaaatgaga tcagcaaaac gcaggcaaca gacctaatc atttcaaaac 60
 ttgatatttc attttgcgtt ttagctagag aagttttcct tgtgacttac taatggctgc 120
 aatgccaatg attgtaagaa aacaaacaaa tttatcatga aattctcctt gtcattttat 180
 aaatgcctat tttaacatca tttatggttc cagagatgca tacacttttt tctgacaaga 240
 aaaagtataa ggtgatgagg gcaattctgt cctactgttt ttacaggcct ttttcaaatg 300

<210> 292
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 292
 ctcaagcaaa gttcctgtag acaaagtaac accaagtact cttccagaag aggtactaga 60
 tttgaaaaa ttccttcagc aaacaggagg ggcacaaggt gcctgggatg attatgatca 120
 ccagaacttt gtaaagggtg gaaacaaaac taaagggag ccaacattta tggaagaagt 180
 tctagaacac cttcctggaa aaacacaaga tgaagttcaa cagcatgaaa aatggtatca 240
 aaagtttctg gctctagaag aaagaaaaaa agagtcaatt cagatttga aaactaaaaa 300

<210> 293
 <211> 299
 <212> DNA
 <213> Homo sapiens

<400> 293
 aacaacaaaa atctgaacag aaatgctcta tttacgttct tttccttctc tgtagtgttt 60
 taaagtcatt aaacttaaaa atgatgttca ggagaagatg agtgattttg catagtctgt 120
 cataactctg gtattatttt gtacaaggag tgtgttaggg ttttcagttg taaccatgca 180
 gaaaatctac aaaataaaaag cagttgttaa ttagtccttt acaatcagaa ttgtctattt 240
 tggaaattta tgaagtactt cagatgtaat ttaagaaatt gtatttgagc caagcgtgg 299

<210> 294
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 294
 attagacca aaaaatggga tgcgtgtggg acagctttta aagtgtttga aagattttgc 60
 attcaacatt caggctatca gtgactcctt gagtgaacta tgtgaaaata agcgtgacaa 120

tgtagtcctg gcattttaa ac aattgagtca aaccttttat gagaaacttc aagaaatgca	180
aattcaaata agtcaaaatc atttagaata acaccatgga aaactttcaa gtctgattat	240
gtggatttta tccctttgca aggagagata taattaagct tacacaatga aatggaaaaa	300

<210> 295
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 295	
gtaatccttt ctttttcttc tccctctttc ctgctcttac ttatacagtt aggtgaatat	60
gatgctccac tcccccaaca gataactcaa tagctctgac tgctgaaata ttggtatctt	120
actgtcagca cataacttgt tgctgtgtta ttgacatttt cactgttttg aaatttttac	180
tggtatctgg gtttgaatcc cagctctccc aagcttcagt tttctttcat ttgtcaaata	240
agataaaagt atccacttca taggggtgtt atgaggatta atgatgaata caaaacactt	300

<210> 296
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 296	
gtattcagta agtaccact atgggtgctaa cgtgagttcg atacgaaaaa agctgagatt	60
catctatata catttttagag gaaagaagtg ctatgacctt tccaaacttt catttctcta	120
tcccaaagtc tcatctaaac agattttact actttatgat ctatgtttta agtccttggg	180
ataaaaagaa caaacccaag aatgaggagt cttacttcta cacttttatg atttcttata	240
ttggcattag acataaacat gtctgagagg ctgtctgggc caactgtctc tggtcacttc	300

<210> 297
 <211> 286
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (286)
 <223> n = A,T,C or G

<400> 297	
ggccctaata cactctttgc cctgtggcct ctcccttttc cccctttctg gttggaggag	60
ggagaagtgg caantgnngc nncacagan nanctgactn gttgactncc ttatgctacc	120
ntgggtgact ncatattgcc cctnnatgat tncaacacca natatagcaa atgacattta	180
catgctatga aaacatctat tgggtaaaat cagatcttgg atanagaaat tctcgacttt	240
tatataannt tttgntanac ngnananaca gaaanggntt aagtgg	286

<210> 298
 <211> 166
 <212> DNA
 <213> Homo sapiens

<400> 298	
gattcatctt ctgtgtcttt aaaagtcaaa aggccttttg accttttaaat aactcttaca	60
tctggctatc actgttgaaa tgttctacta aattttcaga gtggaaaagt tttaggctta	120
aaactgactg gtaaaaatag aatatttctt tgtattgatt ttccag	166

<210> 299

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 299

tgaaggctca caaccagtt agggcagaat ggaggcaaat gaataatatt cccttggtct	60
cagagaccaa caactacaga attatcaagc atggccaaaa attgttgctc atcacctctc	120
gcaccccaca gtggaaaaag aaccgggtga ctgtgtatga atatgatatt aggggagacc	180
aatggattaa tataggtacc acattaggcc tcttgagtt tgattctaac tttttttgcc	240
tctctgctcg tgtttatctc tcctgccttg aacctggtca gagtttctc actgaagaag	300

<210> 300
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 300

gttaaccttt tcaggctcca ccatacccag gctcttacct tagcagaagc ctgtgaagct	60
ggtagcagaa acgagaagga acaaaattaa ctccaaggca gtaagccatc cacaagacca	120
ctacacgaag ttaaggctgt gtgaaagagg gagtttattt aattttattg ttaaagaggc	180
aataaaatat ctagagaaac agtcattaa aaaattggca aatccagcct ggccaacata	240
gtgaaacccc atctctacaa caatacaaaa attagctggg tgtggtggcg catgcctgta	300

<210> 301
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 301

cgggagtgaa ggcgcggagg cccgagaaag gataaacaag acaccgcctc atcagataag	60
aacgtctcct tcgatgtcac ggatttcaag aggtagctgg agaaactgac gtcaggagtg	120
tcctgtgaat gaacatcgcc cgaggcctag caccacacaga agaagggttc tattttactc	180
tactttgctt gatattattt attttctaac aaagtgatcc gtagtctgca accttaggct	240
ctgacaggca aagcccattt cttagctctg gggatggctt gcagggtctc cacctctgct	300

<210> 302
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 302

gagttggtca ccgtggccca ctatgacagc cccgaggccc tgagccacct ctgctgccgc	60
ctggtcagta ggggaagcaa ggtgaccgca aggggggatg atcagcagcc cacttggtcc	120
aggggtcacc ggggccccca accgtttcta ctgcagccaa accagatagg ctactggtgg	180
ggcaagtcca aggtctccga ccatgccacc tgccctgggg gctcccctgg aaccccgcc	240
cctggattca gctctgcagc ctctccgca ctcaggatca gccctcctgt cctgcactag	300

<210> 303
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 303

gatacctgtg cctgacacat ctgggcaaac tgtggcactc aaagcagatg agaaaaccat	60
gaaagaatcc aggaggaaaa cagatttctc acgaaggaaa ggcgattcca tggacagctc	120
ccttcttagt aggaactgtg gaaaccagaa gtagctttaa agtgctggga taaaactgtc	180

tttcaaggat aagagtgaaa acaaagacat actcagacaa aaactgaaaa catttaccac 240
 aaacaaactc accttaagca ggcaaatggc cctcgatgtg gaaagcaaag ctcaggggac 300

<210> 304
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 304
 cctcgtccca ggaggccacc cctgagaaag agtccctggc tgagtcggca gccgcctaca 60
 ccaaggcaac agcgcggaag tgtttggttg aaaaagtggg agtcatcacc ggggaggagg 120
 cggagagcaa tgtgttacag atgcagtgcg agctgtttgt ctttgacaag acctcacagt 180
 cctggcttct ccgccaccca cacccttccc accctgctgt ggggcctgc ctttgtgggg 240
 agcagccagc cctctgcccc tgcccagggc tcccacta taggcctggg acccccgccc 300

<210> 305
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 305
 tgttatttct cagcacgtat gtagcagatg aggaaatgaa ggctaaaggc catatatcta 60
 caaagtgggg aggtcagact ttgaaccac aacctgactg tggagccact tcagtatact 120
 ctctcccat aagaaagttc caatagaaaa aaaatgctac ttaagtaggg aaatcacaaa 180
 ataagtgcc atgaacaata aatgttcaac ctactacag ttaaaatgta tattaaagca 240
 agagttgaga tgacactttt cttataaaa cagacagga ttcagggaca ttgggactct 300

<210> 306
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 306
 gccatgtacc ggggtccaaa gaaaactaat ttatcagact ttgagctgga agtatccgaa 60
 aggcattcat gttgagactt tagaaactga aaagaaggag cgatatatag ttatcagcaa 120
 agtagatgaa gaagaacgca aaagaagaga gcagcagaaa catgccaaag aacaggagga 180
 gctgaatgat gctgtgggat tttctagagt cattcacgcc attgctaatt cgggaaaact 240
 tgttattgga cacaatatgc tcttgacgt catgcacaca gttcatcagt tctactgccc 300

<210> 307
 <211> 268
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (268)
 <223> n = A,T,C or G

<400> 307
 aaaaagcatt caacatgcaa ataggtggta tatgttgata tcttgccctg actggctgct 60
 aatttctgaa tcaatctgtt tgtgcattta agtcatttat tctctatttc aaaaagattg 120
 aatctattaa agtcttaaga tctgtcttcc attataatgg tgaaagattt tgaccagata 180
 agggaaaaga naacacaaca gcttgatttt gggaacncag atcttctcan agggggccac 240
 ttacanaga gattgntcac cnatngca 268

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<210> 308
<211> 252
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(252)
<223> n = A,T,C or G

<400> 308
ataagacacc aaatcaaagt ggtgatagta aatatcattg ccttggttct cacctcagag      60
actagtgttt caccattaag tgtgatatag cttagttttt tataaatact tgggagtga      120
ttttaactg ggtcatagag gattgttgga ttccagcang tagaaatcag nggaaattan      180
ntctccagac acngggaaga gacnctagtn gnannncnnn tggntnctt tggctntaga      240
ttaannggan at                                                              252

<210> 309
<211> 268
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(268)
<223> n = A,T,C or G

<400> 309
gaaagattct caaggaagaa gtaataaggc attacatctg aagagtgatg ctgaatttac      60
aaagatattt ggccttacta aggatttgag agtgtgcctt actcgaattc ctgaccattt      120
gacctctgga gaaggtttcg attcctttag cagnntggng annantnnnn cnnntnntg      180
tcacnntnnn ttgcctctnt nctnntntn tcncnntcnc ntnnnnggnt atngtcnnncn      240
nnnnatnttn ttnnnttnc tectcttt                                           268

<210> 310
<211> 295
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(295)
<223> n = A,T,C or G

<400> 310
ggagcggcag gcccaggccc aggagagtga ggaggaagag gagagccgga gcaccaggac      60
actagagcaa gagatcgaac gcctgagaga agagggttcc cggcagctgg aggaacagca      120
gaggctcatc cgggagcaga tacgccagga gcgtgaccag aggttgagag gaaaggcaga      180
aaatactgaa ggccaaggaa ccccaaaact aaagctaaaa tggaaagtga ngaaggagga      240
tgagtcaaaa ggtggctact ncaaagacgt tctctacgn cttttgctta agtat           295

<210> 311
<211> 300
<212> DNA
<213> Homo sapiens

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<400> 311
aagagaagct atgaaaagct tcagaaaaag caaatgaggg aattcagagg aaataccaaa 60
aatcacaggg aagatcgggc tgaaattgag aggttaactg caaaaataga gcgcctcacc 120
atgaggggtca atgacttggg tggaaaccagt atgactgtcc tacaggagca gcagcaaaaa 180
gaagaaaaat tgaggggaatc tgaaaaacta ttagaggctc tgcaggaaga aaagagagaa 240
ttgaaggcag ctcttcagtc tcaagaaaat ctcatacatg aggccagaat acaaaaggag 300

<210> 312
<211> 300
<212> DNA
<213> Homo sapiens

<400> 312
cccatcctat ggggtgtctt ttgacttttt ggtagtgct ctttgaggca cgtaagtttt 60
ttaagttttt ctctgttttt tagcatcata tctaagaatc tactccaaat ccaaggtcac 120
agagattttac catgtgtttt tatctaaaag ctgtatagtt ttagaagtca gttcctctgt 180
cctaccagcc acatttcagt gatcacatga tgtggctgat gtccacagca cttgtcagtg 240
cagataaaga ccatcataac agaaagttct ttgcaaaaa aacaactttt tttttttttg 300

<210> 313
<211> 300
<212> DNA
<213> Homo sapiens

<400> 313
gaaagaaaat attttcacat gtatctagca gcaatatagt ttacaataaa ccctaggtgg 60
tataatgtga tgtacattac acatgaacta tctacactca ctaaaagcca ttattttaaga 120
gtaagctcac atagcacacc tatttccttg gtgttgcaaa gcttgagggt gcacagcttt 180
ctcattttgt agagcaaatg acagttttca tcaacagacc aatggattca cagctaagaa 240
taagacaact tgaaaactcc acgtttttaca aaatcatttt ctattaaatt ataaaaacct 300

<210> 314
<211> 262
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(262)
<223> n = A,T,C or G

<400> 314
acctcaaaaa aaatgctgat atcctaaaaat attcctagta tcctaaaata ttccataaat 60
cagatatcct acaaagccaa actgggcctt cttgttaaaa ttaataagat tctataagct 120
gttaacaaaa aaagtttcca ctaacactgn atacttanct ctectaanta catnnattta 180
ngcttgctgn nantnntann nggncntnn ttgnnnnnac ttgncncnna gctattnnnc 240
acnataccn gtgnntnagt nc 262

<210> 315
<211> 300
<212> DNA
<213> Homo sapiens

<400> 315
gctgttgac ttgccacgtt atcttgagc ctcgggttcc ccgcgtcgcc tgtgggtggtc 60
cccgtccctc gacaccatct cctcgggtggg ctcttggtggt ggctcggtcct ccaagtcctc 120

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ggccactgg aatcaggtag tgtcagaggg ggagaagatc gtgggggtacc ccacgtcctt 180
catgagcctt cgctgcctgc tgagcgacga gctcagcaac atcgctatgc aggtgcggaa 240
gctgggtggca ctcagcacc cctgcttacc acagccaggg ggcttgtaga tgacagctgg 300

```

<210> 316

<211> 300

<212> DNA

<213> Homo sapiens

<400> 316

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ctagagcaag agatcgaacg cctgagagaa gaggggtccc ggcagctgga ggaacagcag 60
aggctcatcc gggagcagat acgccaggag cgtgaccaga ggttgagagg aaaggcagaa 120
aatactgaag gccaaaggaac ccccaacta aagctaaaat ggaagtgcga gaaggaggat 180
gagtcaaaag gtggctactc caaagacgtc ctctacggc ttttgagaa gtatgggtgag 240
gttctcaacc tgggtgcttc cagtaagaag ccaggcactg ctgtggtgga gtttgcaacc 300

```

<210> 317

<211> 300

<212> DNA

<213> Homo sapiens

<400> 317

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gagagtggct accttaaaaa tgcaagttg aagaactgta acctcagagg agcaactctg 60
gcaggaactg atttagagaa ttgtgatctg tctgggtgtg atcttcaaga agccaactg 120
agaggggtcca acgtgaaggg agctatattt gaagagatgc tgacaccact gcacatgtca 180
caaagtgtca gatgagaatt tttagggctg gaggaagatg taaaagatga aaatgttttc 240
cttatcactt ttctttctcc acccactcag ttgtctagaa gaaataacac tgtaaggaaa 300

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<210> 318

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(300)

<223> n = A,T,C or G

<400> 318

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tcttcagaag gtcaaagcaa aacagaatct gatttttcca acctagactc tgaaaaacac 60
aaaaaaggac ctatggagac tggattgttt cctggtagca atgccacttt caggatacta 120
gaggttggtt gtggagctgg aaatagtgtg tttccaattt tgaacacttt ggagaactct 180
ccagagtcc tctgtattg ttgtgatttt gcttntggag ctgtgganct cgtaaagtcn 240
cacttgnntt acanatcaac ccangnnttt tgccttnntt catgatgant nngatgatgg 300

```

<210> 319

<211> 300

<212> DNA

<213> Homo sapiens

<400> 319

```

ctcaccaccc ataccctccg tccccgcgg gcttaccact atctagacac ctctgcct 60
ctccatatgg ctccgcgga ttgtttccct cctagcccg acttctccaa taaacagcaa 120
cttcctgctt ctccagcaag tcgcataaga agaactggaa tcttgacact acaactcctg 180
acaggacgcc cctgcggcat ccagagacag ggaagccagt gctgctctgc atgttcaggg 240
cgagtactgt agagtctcct tccggcctgg atactgagga aggtgactta gactttctct 300

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<210> 320
 <211> 291
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(291)
 <223> n = A,T,C or G

<400> 320
 gtgacttctg tggaaaaaaa attaatctt taccattgca gcgttctgcc ctagggtccaa 60
 atgttaccaa aatcactcta gaatcttttc ttgcctgnaa ganaangngc tnacanganc 120
 agattgttat nctngaacag nactgggaat nagatcantt atgatnnntn tancggtnat 180
 tngcncntt gtttanntat tcnnnataca tgnntntntt aattataatn ccacttttct 240
 anattatttt gtagtcggna actcaanact ttttnntca gtaagttgtt a 291

<210> 321
 <211> 300
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(300)
 <223> n = A,T,C or G

<400> 321
 tcttcagaag gtcaaagcaa aacagaatct gatttttcca acctagactc tgaaaaacac 60
 aaaaaaggac ctatggagac tggattgttt cctggtagca atgccacttt caggatacta 120
 gaggttggtt gtggagctgg aaatagtgtg tttccaattt tgaacacttt ggagaactct 180
 ccagagtcct ttctgtattg ttgtgatttt gcttctggag ctgtggagct cgtaaagtca 240
 cactcgtcct acagagcaac ccagtgtttt gcctttggtc atgatgtatg ngatgatggc 300

<210> 322
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 322
 gccacgtttg caaaaatgca gcaaaaaagt tacttagtct ggctgttttag tagaatttac 60
 ctctactcat tcatcagcct ctttatatat atgattttta gtcttttcat tgcactgatc 120
 actgatacat acgaaacaat taagcaatac caacaagatg gcttcccaga gactgaactt 180
 cgtacattta tatcagaatg caaagatcta cccaactctg gaaaatacag attagaagat 240
 gaccctccag tatctttatt ctgctgttgt aaaaagtagc tatcagggtt atctgtactt 300

<210> 323
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 323
 agaaggtcgc ctctaccttg cccagaacac aaaggtgctg cagatgctgg agggaaggct 60
 gaaggaggag gacaaggata tcatcaccag ggagaatgtt cttggggccc tgcagaagtt 120
 cagtctcagg cgcccgtgc agacagcgtg gattcaagac ggctcatct tctggctggt 180
 tgatgttctg aaggaccctg actgcctgtc tgactacacg ctggagtact cgggtgcttt 240

gctcatgaac ctctgcctcc gcagcacagg gaagaacatg tgtgccaagg tggcaggcct 300

<210> 324
 <211> 285
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(285)
 <223> n = A,T,C or G

<400> 324
 gcacctgtag tcccagctac tcaggaggct gaggcaagag aatcacttga acccaggagg 60
 cagagggttc agtgagctga gatcacgcca ttgcactaca gcctgggcaa caagagcgaa 120
 actttgtcta aaaaanaaan cactgggctt attcatgctc tgatcacatc tntcgtaaaa 180
 gcttaagctc tntccggggt ccgggttggc cgtncctgn aattctggtg ggcngnntg 240
 nggtctctgn aaatgtggct gncngctnag ancnnnnact ctgac 285

<210> 325
 <211> 293
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(293)
 <223> n = A,T,C or G

<400> 325
 gcacaccctc ccgtgggtgc tgttcctccc tgtcacctgc ctctcatca tggaaggggg 60
 ggggctatga aagccggtct caaagataac tgcctccttc attccaggaa agccctagaa 120
 ttagggcaca ttgcaactg aaatatgact ataattctta tgggaccaa ttttaagcaat 180
 ttttgttttt ggtggaagag acaccaaaat attagaggac aaatatTTTT agatccattt 240
 aaggagtttt gaagtgccta ntangaccta tttgncagtg gngnnattta att 293

<210> 326
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 326
 ttgtgaacca gatgatgaaa gtggctatga tgttttagcc aacccccag gaccagaaga 60
 ccaggatgat gatgacgatg cctatagcga tgtgtttgaa tttgaatttt cagagacccc 120
 cctcttaccg tgttataaca tccaagtatc tgtggctcag gggccacgaa actgggtact 180
 gctttcggat gtccttaaga aattgaaaat gtctcccgcc atatttcgct gcaattttcc 240
 aaacgtggaa attgtcacca ttgcagaggc agaattttat cggcagggtt ctgcaagtct 300

<210> 327
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 327
 gttgcactgg tgctccctc cgaaccgcca agcagaaacc ggacctcaca gctgactggg 60
 aactggacat gtggaagagc tgctggctgc atcagggaac aggaggagga agagggtcag 120


```

ggtaggagagg aagatcagtc agtgggcaca agacagtcaa atgggcaagg cctgcctcgg      180
ggaactagaa ccttccagga tctggagccc gggagagcca cactgtgggc ttaatgtgaa      240
tagaggaaaca agtgggtatc tctgccaggc accccacttt ctccagtagta catgggctca      300

```

```

<210> 328
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 328
ctgggtcaggg tttgactcag gaagctgagt tccagcttgt ttccttggca gcactgccaa      60
agagtttagac caagctgcag cttttgaggt gaaaggggat ggaagaaagt actgttactt      120
ttccacttag aatttttggga ctttgttctt aatgaatagg ttcattttca atttcaaagc      180
aaagtgttaa catttttgaa atttgtctca attctaaagg ccaaacttaa atatgtctcc      240
tcctactggg gcatggagca agttattcat caaatacaga ttctcgcgat gaaaagaaaag      300

```

```

<210> 329
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 329
aatggatgct catatattgc ttatggatat tttggatacc aaagtaggaa taactgacat      60
tcagtatttt aaagctggca aacctgtaca tagaaaatag atccccagac agtgggtctat      120
gaagaggggca gtttaagtatc aaatacttaa ttttcttgcc tttttttctt aagtggggaa      180
aagtttctag atctcttaca cctctgacac aatctgttct aaaacaggca cttgtaatgt      240
tggggcctcc ttgtaaacgg tgtttttgcc ctttactctc tgggattaca ggcgtgagcc      300

```

```

<210> 330
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 330
gccaggctgg tctcgaactc ctcacctcaa ctgatcatct gcctcggact aagtgtctggg      60
attacaggcc tgagccaatg cgcccagcct actttctata aaagtcgtca tgtctctgcc      120
ccccccccc gccaccccc acatagtctg tttcatttga ttttccctt agtttagtgt      180
tttattttga tgtttcttca gatgccttgg gatcattcac tgttctctcat atttaagagc      240
aatgtcttaa aaattcttag aaataccttc ttgaaaagcc tgcattccta ccacctctca      300

```

```

<210> 331
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 331
tcgagaccag cctcagtaat gtatgtgagac cccatctcta caaaaaata aaaataaaat      60
aaaatttcta agtacttgct tatttgcagt ttactattct tgctagaatg tatctcttca      120
gggttttggg gtttacctat gcccccttca attttgggtt ctctcaaag ccagatgtat      180
ctcctagaac tctttgggat ttttagctct ctaatacctt tagacattta aaaaatatat      240
attttggatg ttttagttat cttcagaggc aatgttaatc cgaattatca aggtagtcac      300

```

```

<210> 332
<211> 300
<212> DNA
<213> Homo sapiens

```

<400> 332

gaaacgctga	ctctgcctct	tagccctgg	gttgaagccg	actagagaat	ctcagacgtg	60
cttaaccggt	ctgttgggct	tccctgccct	tttccagtc	caggtttcct	ttccctgctc	120
ccttcctgct	tctaatttca	gccaaagaga	aagcaaagat	ttagaaaaga	agggtaggaa	180
gaagctggaa	tttgaattgg	caagagaagt	ttgaggttgt	cttttctaga	tcaaaacaat	240
ttttaatagg	ctgatgttca	catgttgac	tttctaaagc	ccgtgcttga	cctcctaagg	300

<210> 333

<211> 300

<212> DNA

<213> Homo sapiens

<400> 333

ccatcataga	gcatttaggt	tcttttcaat	ttctgttgtg	aataatgcaa	tgttgaatct	60
gagttcatta	agtgaagagt	ccagctgcac	actgcaggcc	cagtctggat	gtagggtgctc	120
agatgggtct	ctttgagaca	ggctttatcc	tttggtcttc	atttttttga	tgagtgtaca	180
tggcatgagg	gacacagatt	ccgctagaat	tcaaatccca	cttgtgtata	acctagggca	240
gtgtgccaca	tctctgcaca	tctgttcatt	gtaaggatta	catgtttagt	gtatataaag	300

<210> 334

<211> 300

<212> DNA

<213> Homo sapiens

<400> 334

ctgggaagga	ataattcaat	ttgattggca	gatatatata	atacagtagg	agaataatgg	60
gagaaagata	aattgagact	agaataggt	gactttaaat	gcctgtctgg	tttaggtatt	120
tgaactttca	aggtgtggta	aatgtttgag	ttaaaggata	atgtgtccaa	agattattat	180
ggaattgtct	ctctgcatac	ctctatcgct	gtttgtcaca	gctgtgttct	tatgtgactg	240
attcttcctg	aagattagaa	actcctcaaa	gactggttat	tagagcttat	tcttcattat	300

<210> 335

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (300)

<223> n = A,T,C or G

<400> 335

gttgaagtt	cctaattctt	tctcggta	actgtgaaac	tctgcgtatt	gggaaggcct	60
ggcctcagtc	atcaggccag	gagaggtact	ggacgccg	cacgcactcg	tctgccagcg	120
aggcccaaag	gggaagccta	gcggagctca	gtgtggcagc	tgtggcctc	tgggccggtt	180
gtgcatctaa	tcatccaaaa	aattcagctc	anaacctgac	taaagatagt	actttaaaaac	240
atgaaggctt	ctattcagag	aacttaactg	aatctagaaa	attcctgaaa	agtagggaaa	300

<210> 336

<211> 300

<212> DNA

<213> Homo sapiens

<400> 336

gagatttctt	ctaattggcc	aataatatcc	ttcagttctc	ccacctccaa	tatccaaagt	60
tctgtcaagg	atcacatact	acatttggtt	ctttattata	gactttttaa	atatcgttgt	120

```

ataccattgt gattctatcg tctcctttaa taaagaggag aaccagaaaa atgaaaggtc      180
ataagaggaa tgaggtttgg agaatagggtg aaaaaaggca tcataatggt tataataatg      240
tttgccctgtt cagagaaaca agaatcacag ataaagtcac ttatatgtag ataagagaat      300

```

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<210> 337
<211> 268
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (268)
<223> n = A,T,C or G

```

```

<400> 337
gctaaacatc aaaaacagat ctggtagggg cgggggaaatg agggggaaga aacatangcg      60
tgntggtgcc nttatnctgc attannaact ttanttcnat gtntgtnttn ttntttcntt      120
nancgnancc ttttatttat ntttttctct ttttctnttt nttattnttt tnntntttatt      180
ntttnttgnn ttntttntnt tttttttnat gntntnantt tgnnttantt ntnttttttt      240
cnntnttttn tattatcttt nttacttt                                     268

```

```

<210> 338
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 338
gggaccagtc ggacttcttc ctgctggtgg tggtagtagg gatggtactc atgggcattt      60
tcttcagcac tctgtttgtc ttcattggact caggcacctg ggccctctcc atcttcttcc      120
acctcatgac ctgtgtgctg agccttggtg tggctctacc ctggctgcac cggctcatcc      180
gcaggaatcc cctgctctgg cttcttcagt ttctcttcca gacagacacc cgcattctacc      240
tcctagccta ttggtctctg ctggccacct tggcctgcct ggtggtgctg tccataatgc      300

```

```

<210> 339
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 339
gtcaccaact tgaaaccagc aaccatcaag gtctatgact actacctacc agatgaacag      60
gcaacaattc agtattctga tccctgtgaa tgaggatagg agctggaaac tcaattagtc      120
ctctgtgaca ttactggagg gtggaacatt cttctgtcgc ttgaagcaga actcattcaa      180
tcaaataatt taatttctct gactagtata tgggtaacaa atgaatatgt ctgaacctca      240
gctataatac tttctactac ctttgcaagg agatgggata ggaacaatca ctcagaggag      300

```

```

<210> 340
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 340
tgacaccaaa tgccaacca tcccaaattt acaacatcga ccctgcccgc ttcaaagatc      60
tcaacctggc tggaacagcg gaggtggggc ttgcaggcta cttcatggac cacaccgtgg      120
ccttcaggga cctgccagtc aggatgggtt gctccagcac ctgctaccgg gcagagacaa      180
acacgggaca ggaacccccg gggctgtatc gagtacacca cttcaccaag gtggagatgt      240
ttgggggtgac aggccttggg ctggagcaga gctcacagct gctggaggag ttcctgtccc      300

```

<210> 341
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 341
 atcatattca agttggcagg tttgactgtt cctctgcacc agacatctgt agtaatctgt 60
 atgtttttca gccgtctcta gcagtattta aaggacaagg aaccaaagaa tatgaaattc 120
 atcatggaaa gaagattcta tatgatatac ttgcctttgc caaagaaagt gtgaattctc 180
 atgttaccac gcttggacct caaaattttc ctgccaatga caaagaacca tggcttggtg 240
 atttctttgc cccttggtgt ccaccatgtc gagctttact accagagtta cgaagagcat 300

<210> 342
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 342
 ctggacagaa gtctattctc cttctcagca gcggtggctg cactgtgatg catgtgaaga 60
 tgtctgtgac aagccactcc tttatgaaat aggatggggc aagaagcttt cctatgtcat 120
 agcattttca aaagatgagg tagttgatgt cacttggcga tattcctgca aacatgaaga 180
 ggtgattgcc agaagaacta aggttaaaga agcattactt cgagacacta ttaatgggct 240
 taataagcag aggcaactgt ttttgtcaga aaacagaagg aaagaacttc tccagaggat 300

<210> 343
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 343
 gagctgatcc tgcacatgc ccgggccagc gagtgcaggg acgtggaggg gttcaaaacc 60
 gagatggcca tgctggtgac ccaggccagg aagaacacca tcaccctgga gaagcttcat 120
 gtgtccagcc ttctctctag tgtctttaag ttgctgatga ctcacaaggt aaagcttgag 180
 agcaactttg cctccattgt gtttgccatc atggtgttgg aggggcttgg ccgctcactg 240
 gaccccaaac tggacatcct ggaggcagcg agggcccttc tctcacggc ccagtgtgac 300

<210> 344
 <211> 265
 <212> DNA
 <213> Homo sapiens

<400> 344
 gtgacctctg tgtttctata actatgttaa tgtgacctgt aaaacagttc acttctcaac 60
 aagtcagctt cctcatattt aaaatgagaa gttgtcttga gtttctaaag atgttttaggc 120
 tgcatgtctt tgggctgtct caggattttg acctctgaga taaaagctgg atttaaaaaag 180
 ccaatccaag ccaaacacct ggcattatta gcattgttat tccatcagat ctgtttgttc 240
 tgataaagaa gctgggggtg gaatt 265

<210> 345
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 345
 tgacatcaat gagttgaagt ctactcctct catggaggct gaagaaacat ttgctgagca 60
 ataatagaac ctgccacaat tatgtttctg atggggtagg acgggtcctt gcaggagtag 120

agggtctgcc	tggagggcat	gggtaagaat	catggctcat	gatttgtgtg	ggacaagtgg	180
tcgcagagca	gaggctctgg	gtaaggagac	ctggtttgag	tttataacca	gagacaggca	240
gttcaccaac	tgagtctcag	tttccttata	tggaaaatgg	gaataatttg	tcttctctgg	300

<210> 346

<211> 300

<212> DNA

<213> Homo sapiens

<400> 346

gtaggacagc	cttttggtgaa	ggagacactt	tggagagcat	gggtgtgtgaa	aacacttaaa	60
ggaaaattaa	aggggaattaa	gaggaaaattg	aagggaagga	gtatatgaga	agggttgctt	120
tgtggttata	agctgaattt	tctttaatgt	attttgaaag	accccggtta	agaaagggaat	180
ttcttttaat	tttgcagaga	atgaggagtt	gtccaattag	gtgttgaatt	gttcttctct	240
ggaactctca	agagaggagt	tgtgtttaga	gatagatttg	ggagctgtaa	gcaagtagat	300

<210> 347

<211> 300

<212> DNA

<213> Homo sapiens

<400> 347

cttttagcaag	tcactcgagg	tcattggaaca	tgtttttgaa	gaaataatat	cagttcatga	60
attctgtacc	tgtttcttgt	cgctgaagg	gtaagtga	tcagcagcat	gttcattcct	120
tttcttgtct	tctacctgtt	ctccacaaaa	gtataaaaag	ccagaattgc	tttttggtt	180
ttgagatggc	attgtcttcc	atttgcaaaa	aacagtttat	aagacaaata	ataaagaaat	240
tgaatgttt	ctgatgggtt	caaaaatgta	aacataagcc	agagtagtta	tgtctcaaca	300

<210> 348

<211> 300

<212> DNA

<213> Homo sapiens

<400> 348

gtttaaagaa	aacatacaag	ggtatgacgg	agatatgatt	aggagaggga	atgctttttg	60
agggcagaat	tgccaatctg	cttgactttt	ataagcctgt	tgattgttta	gatacgggtt	120
agccagttta	tagttaccct	gggtgctgaa	aggtatgctg	gatgatacct	aaccaacaga	180
gaaccattga	atgccgttca	aaatggactg	aagcatcagc	aatgtctgaa	aaaggcctga	240
cagtaatgta	catgtcaaat	ggcccgtaat	ttaagcagag	tagagtaagt	agaagaataa	300

<210> 349

<211> 299

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(299)

<223> n = A,T,C or G

<400> 349

ggtggatgtc	agagttcggg	ggcagctccc	gtggggacct	gggggtgtgtg	gctgggtgaa	60
gacgatcacc	tcccttctgt	ggttttatct	cccaggctga	gtttgagccc	ccaaggctcc	120
tgtcggttct	ggtttgtgat	tggctcctcc	gtgcccctatg	cgcattgtcca	gccgccaggg	180
agattaggcg	ttttagtagaa	gtgatttcac	tggccctggg	gggacagatg	ggtagacagt	240
gtttgatccc	angtctttgc	agggctctag	cccctcgcaa	gcttctgcac	cttctctgc	299

<210> 350
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 350
 gtctcatgtt agttgtaccc acagctctca tcagaagcag acacagatac tttttgtagg 60
 aaaacatctc taacttaagc ctgtaggatt cccaaagatt aaaagcaggc aaatatgaat 120
 tcagtcaaat catagcattc aagtagtctc aaccaacat atttgagaat tgtagaagac 180
 aatgaatatg tttcccaaag actagggtttt ggaattatca gatacagaac acagacttca 240
 aatattagaa ttgtgagaaa atagttacat gtcaaacctt atataaaaga aagatggact 300

<210> 351
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 351
 atgcttggtc gcattgccaa gtggcaaaaa atacagttat tgtagcaccg aaacagcacc 60
 ttctcaaggt ggaaaatcca tggagttagg ttactgttga tctgatgggg ccttttcata 120
 caagcaacag aagtcagtga tatgtataa tcatgacaga tttgttcacc aaatggattg 180
 tgattttgcc tctatgtgat gtttcagcat cagaagtttc taaagctatt atcaatatat 240
 ttttcttata tggacctcct cagaaaataa taatggacca aagagatgaa ttcattcaac 300

<210> 352
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (300)
 <223> n = A,T,C or G

<400> 352
 ctggacttgg gctttttctt ctatttgctg ggtagaaaag tccttaaagt ggatgctcat 60
 gttcagtggc ctgggcatat attgtttcac tggatatcaat aatatttttag gatataattt 120
 tctagcagct aggttttaca tgtatataca ctatggttca gatataaatt acccatcctt 180
 ctatattagc ccagtttagct agtacatgga taagtcatta gataatttgc taccatgta 240
 tntgtntctat taagangtac ntatanttna actaccaanc natntgtacn ntgcatttat 300

<210> 353
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 353
 aaacaactga aggtcaaaaa cttatatgcc tttttatgtg tacattttaat aaaacaattt 60
 tattgatttc ttaccgtaag ttactgtgat gagtgataaa tacttcacta ttcagatact 120
 ttcgtaagag atacatttca gtggaacact ttgcataaat attttctcaa aaatgtgcca 180
 tttctgggaa aaaaggggaat gatgggaaag aatgttattg cagtttttcc tagaaatatt 240
 gtcagattgg catgcatttt tattgactaa gaatcccaat tttagcatga agaccattag 300

<210> 354
 <211> 300
 <212> DNA

<213> Homo sapiens

<400> 354

gggaagttgt	tgttcaaadc	tgtagtgtgt	ccagtcagca	caaacgagga	aatgatggca	60
gagttagttt	aataaaacag	aggaatcta	cgtaggtat	catgtatcgg	agtgaactgc	120
tttcttttat	caaaaaatta	cgagaaccac	tcgttttgac	tattatttta	tcactctttg	180
tgaaacttca	caatgttcgg	gaggacattg	tgaatgatat	tacagctgaa	cacatttcta	240
tttggccatc	ttccattccc	aacctccagt	ctgtggactt	tgaagctgtg	gcaatcacag	300

<210> 355

<211> 300

<212> DNA

<213> Homo sapiens

<400> 355

gggagaccta	tacctagatg	ttgctgaagc	ttttctggat	gttgggtgaat	ataattctgc	60
acttcccctc	ctcagtgtc	ttgtttgtc	tgaaagatac	aaccttgacg	tagtttggtc	120
tcgtcatgca	gaatgtttta	aggccttagg	ctatatggag	cgagctgctg	aaagctatgg	180
caaggtgggt	gatctggccc	cactccattt	ggatgcaagg	atttcacttt	ctacccttca	240
gcagcagctg	ggccagcctg	agaaagctct	ggaagctctg	gaaccaatgt	atgatccaga	300

<210> 356

<211> 292

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(292)

<223> n = A,T,C or G

<400> 356

ccaagctgaa	ttccagattc	tgaaagctga	gctggaaaga	accatagagg	anaagcaaga	60
gttaaaagag	aaactgaagg	aaacagagac	acacctggaa	atgctgctga	aggctcaggg	120
ctttggcaaa	gcttacgcgg	ctacgtatcc	acgtcagcta	tctccttact	tctgtcctcc	180
ctcacttgga	gcttcangag	atcggctatg	actcagaaca	agtgnatggg	atcctgtaca	240
cggngctgga	ggcaaatnac	atactgnatt	gancaccaga	ctgnataccc	tt	292

<210> 357

<211> 300

<212> DNA

<213> Homo sapiens

<400> 357

gctaattgga	aaatactgga	agtcccttag	gtattccact	gcagtagtat	cataagccta	60
gaaaatctgg	aacaattctg	tgagggttta	gaaaaaggga	cattgaattc	agtctctagc	120
agtatggtag	atgagactca	atgaacaatc	ttgtcacaaa	ccaaggacat	catctgaaaa	180
aatgttttaa	gtcttttgaa	atgatctgtc	aagaaaacag	ggaatcatca	gacacccaaa	240
ccaaagtgtg	agtagcagag	gtcagtaagc	actcaagggtg	gccccaccct	ggagggttct	300

<210> 358

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(300)
 <223> n = A,T,C or G

<400> 358
 agcacaagag atgtaaaaaa aaaaaaaaaac ccncccn cn gnggaangnc ccttttnagg 60
 tttngnttng tttttttttn gggtttnnttt tntgtttttt taatnntggg gataaccnt 120
 gatgncnggc tanngtncat atcnggtctt ttnagntagt gggctctttt aananntntn 180
 ngctnaaann ttaactnata aaaggttnga gccnctnan catncgncna anggnaccna 240
 ngcatagana aaagganatt cnnccctgt gtatgaatga gcnggtcaga ttcaaggcag 300

<210> 359
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 359
 agtttgtggc agctggagat cacctagtcc accactgtcc aacatggcaa tgggctacag 60
 gggagaatt gaaagtgaag gcatacctac caacaggcaa acaatttttg gtaaccacaaa 120
 atgtgccgtg ctataagcgg tgcaaacaga tgggaatttc agatgaattg gaagctatca 180
 ttgaagaaga tgatggtgat ggcggatggg tagatacata tcacaacaca ggtattacag 240
 gaataacgga agccgttaaa gagatcacac tggaaaataa ggacaatata aggcttcaag 300

<210> 360
 <211> 270
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(270)
 <223> n = A,T,C or G

<400> 360
 gttttctcgg cagatctgca aggettggtt taagagcaca aggagggaaa gtaacgaaag 60
 ggctggacta ctataaaagt tacaaatagc tagttagacc aatagattta tatagtcagg 120
 tttttgtcat gtaatttatt aactaactat tacagaaaca cagctaagaa tatcaagtat 180
 ttctctggct cttgacagaa aaaaatcagt tgacttaacc ctttgetgca naanagttgn 240
 cgtttctcgg ttgntgcta-ctgctaactg 270

<210> 361
 <211> 152
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(152)
 <223> n = A,T,C or G

<400> 361
 ggtgcgttag catctgaacc actgaaagt agtgatggct tttatggtac tggagagacc 60
 tttgttttta cattctgtcc ggagtttgag gtctttaagt ggacaggaga taatatgttt 120
 tttatcaaag gagacatgga ttcactant tt 152

<210> 362

<211> 276
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(276)
 <223> n = A,T,C or G

<400> 362
 tcatggtgtc tgtaagtgat gacaaaagct ttaataactg gcacactagc ataatataga 60
 aatcaatata tatcaatgta aaatataacc cccttttatt ctgtaaataa atacacacaa 120
 gcacatgtat attatcactg tttatagcac aaattatcac tctaatttcc aattttttaa 180
 ttgatttttg gacattctga agagtattct tgctactagc taaatgatct ccatttccgg 240
 gccatggttt gacatangga aagncagcca aacctt 276

<210> 363
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 363
 gtatgcccct tcagaacatg cagagtgtat ctttttttaa atttctcctt ccgttgctta 60
 agtattgcgc agatttgctc aactttgcaa atatggacat cacttttttt ttctttgaga 120
 aaacacttgt atcagctttg tgggtgtttc agggagaccg ctgatggcag tccgtgtaaa 180
 aaccagcaa tgattatgca cgtggagaca tgtgcttttt atttcttagc aggatatttt 240
 atctctgtac ataaagtaga aaccaaaggc tagggaaaca gatactcttt acaccatcat 300

<210> 364
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 364
 gtgagccgag attgcgctag tgcactccag cctgggcaac agagcaagac tccatctcaa 60
 ggaacgttaa aaaaaataaa aattaaaaaa aaagaatatt taggaaattg gatattttct 120
 aggagaatta cagaagaaag gtagtaaga atggcaagg tttatttttg aaagacttta 180
 atgtctagag aagagttgac actagggatt tgggtaacca tcaatagttt ctaagtaagg 240
 ataaaatttt atcactatta ttacaataag cacttactaa catgatggat attatgatac 300

<210> 365
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 365
 gtcactttac tctccatccg gaggcgcttc ctttctcgcc gcgaggctcg gggttggggg 60
 gggaccagat tggagccgcg ggctaactgg gatccgtccc atttccctgg gcttgacgtt 120
 ctctgaattt ttagctaatt tggaaagtta catthatttg catttgttta tcgcttgctc 180
 acataggtct gtgtccgaa gcttggcaga tgagcgaact tagccagcac acccccgcc 240
 gtgaagcagg gaggtgaagc ggggagagca acgagcccca cccgggtctt gccagctgga 300

<210> 366
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 366

aacacttttta gttgctctat tgattactta gattttttgtt ggcaattagg agcttttcag	60
taacattctt tgctccatcg gtagtctctg ctggctcttg ttcactcagg aaacacctga	120
gcacagggct tcaggaaagc cttctattaa atgggcagag gccccagcag gactcctgca	180
tgttcatctg cacagccaga gacagctgga gggcaggagg agccgcgttc acatagggtt	240
ctgcagcctt ggagccgccc tttcttccaa gtactcttca gatcagcggg tcttagccct	300

<210> 367

<211> 300

<212> DNA

<213> Homo sapiens

<400> 367

ccagcacctg ctgtgctggg aaggccgagg atggggggccc agcactgtcc aggcctgctg	60
gggcctggct gggagtcctg tgggcagcat ggaacatgca gctgggcttc ctgtgaccag	120
gcaccctctg gcaactgttg ttgccctgtg ccctggacct tttcctgccc ttctccttcc	180
tctgtcctct tggggctacc ccttggcccc tcttggctctg tgcaaaactcc ctcagggagc	240
ccccctgccc tgtagctctc acttaacttc ctaggggctg ctgagccac ccagagggtg	300

<210> 368

<211> 300

<212> DNA

<213> Homo sapiens

<400> 368

gttcttttga acagtaacag tctaggatct ttttttttct gagatgattt ttgaatgctt	60
ttgtgtgga ccacatgcat cataatagat acaaatccat gaaagtataa cagttaaata	120
ctagatctta ctttttcagg ttttgatttc tcatctaaac tttccaatgc tttatcagtg	180
aagcaaaacta actcacattg actagcctgc tctcctttag caaaccttc aaataaatgc	240
ctcatttgc ctcaccact atcattttag attggccaga cagttgttac ttacctttta	300

<210> 369

<211> 300

<212> DNA

<213> Homo sapiens

<400> 369

ccaaagcaca caaatggcct accatctttt attcttctct ctagcttctg gagagagaaa	60
tgattgttcc agtttagaat gccaggagtt tactgggtgt ttgtattttt tatctgtgcc	120
ttaaaaaaat tagattataa tgaacaagac atctttatgt tttacaggga aggaaaaagc	180
agtgaaagta tgcattttcg aaagaaaagt gtgttgggaa aagagagaga ggggtggaac	240
ccaaaggaga aataaaaatt ttaagtcctt gttgcagtag ctggaggag tgagcttgga	300

<210> 370

<211> 300

<212> DNA

<213> Homo sapiens

<400> 370

agagtaaaaa tagaaatgtt ctttttccca gaaaaaaaat cagtaagctg gtacagataa	60
ccataccaca ttgcctgttt ttccaaaaaa ttacatttgg gtgatataaa atgcaaattd	120
ttgaactgca ttgacagaag tcaggcatgt ttagagagtt agtaaaacttt ttcagaccac	180
agatcagcat taagtgaat actgcttcag ccactgatac cttcatggca gataagtatt	240
atactgactt ctttttagag acacttctgt tcacacacaa gacacagaat ttgttgaata	300

<210> 371

<211> 300
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(300)
 <223> n = A,T,C or G

<400> 371
 cgccatgttg cccaggctgg tctctcctga gctcaggcaa tcggccacct tggcctctga 60
 aagtgtctaga attacgggca tgagccaccg catccagcca gaaagatata tatctaattc 120
 tagaaaatagc atgcagtatc agtcataagta acagccatgt gctgcctaaa ataaaaatttc 180
 ttgaaatggg gaattaaccc tggagtattg agctagtttt tttgggtttg ttttttgggg 240
 ctgaacattt gggcctaata ctttgnntnn tnaaaccentt taaaaaannn aagggtttgg 300

<210> 372
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 372
 tttgatgtaa gtgctgagaa tathtagaaa aagcgcttta aaaagcatct agagattatc 60
 atgaaaataa ttggagacaa agtcactagg ctgctttgtg agaggcagca taccatggct 120
 ctaaacccgt tcacaaaaaa caatgttaga gacattagga attcagggtt tgaaaatctt 180
 tttttcgatt tttttgtaat ttacatacca aaaaaccaca ttaaaatagt cctcccttca 240
 acatggctat cttttttcaa gttttatatg catagctctc tcagcacttg aatggaaaaa 300

<210> 373
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 373
 ctgaaatgct gacaagatgt ggcatttgta agttgtact ctttgattat gacaagggtg 60
 aactagccaa tatgaataga cttttcttcc aacctcatca agcaggatta agtaaaagtc 120
 aagcagcaga acatactctg aggaacatta atcctgatgt tctttttgaa gtacacaaact 180
 ataataaac cacagtggaa aactttcaac atttcattga tagaataagt aatgggtggg 240
 tagaagaagg aaaacctgtt gatctagttc ttagctgtgt ggacaatttt gaagctcgaa 300

<210> 374
 <211> 296
 <212> DNA
 <213> Homo sapiens

<400> 374
 cttgtgtttt cttaactccc ccagtaatag acctaactga ttttgttttg agaagttcgg 60
 tattagctta agttttttgt cgtttataga atatcaaaat ggtatcaaaa ctgttttaaaa 120
 ggtaaatgta catctgtagc agagcttttt actcttttcc ttgtcttctt tctctttgtg 180
 tatatacatt gtttatagtt gtattcagta tacatgaaat tttgtgtctt ttttactcct 240
 ctctgtataa actttctgtg ctgcaacaat gtaaattaca ttcagggtgt ttccag 296

<210> 375
 <211> 287
 <212> DNA
 <213> Homo sapiens

<400> 375

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ggtaaaaagg ggagaccatc attgtggaat cttgtatttt ctattaaggt ttgtaatagt      60
cctacaaact tgaacataaa tttttaatat ttgggaagga acattcactg aagaattgat      120
aatagactaa aaaataacct gttatcaatt aatacatgat ctgtccttga acacatattc      180
accattatgt aaacctcaca ttatttcagc ttattttatt cacagatacc aatagacatg      240
ttttcacatt gtagcatctc ccaaatcaaa atacttctaa aaattgg                287

```

<210> 376

<211> 300

<212> DNA

<213> Homo sapiens

<400> 376

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gactatgcag gtctatgggg aaaccttttag tctgctttta gaaaactcag tatctgaaaa      60
tcttaactta gcatgtgata ctgtcttatt agcatctgca gaagtgccaa agccactgct      120
agacacttaa tgtgtattat ttcatttaat tatattttta atgtgcttcc ttggtaattc      180
ttaagctcga gaaagagttt gagaactgct gctaggaaat agagattcac atttaaccct      240
gtggtacttt taagaagcag gtacgttggt gcatatatac ttgggtagag attggtaact      300

```

<210> 377

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(300)

<223> n = A,T,C or G

<400> 377

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ataacatttt tgcaagtctg aaattatttc aaaatcaaaa gagactatca aattacagga      60
ttaaataana ttggattntt cccatancaa tttaatgcca tttaaaaaca atgttacatg      120
attactttatt aaaagaatgt gctngccgct tttctgctgt ctggctgact tggaggcctg      180
agattanatg gtacccttgt gttcttttngg tgggtggtat aancanggat cctcancatt      240
tctctttttt gnatcttgcg attccgncct caagctattc cccacctgca cccctccctt      300

```

<210> 378

<211> 300

<212> DNA

<213> Homo sapiens

<400> 378

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ctcttgccct gcttaacccc tctctgtgcc tccccagtgt ccctataaca aagcccacac      60
tccttgcccc ttgctaaacc ttccgtaccc ctctcaaaacc tctgggaccc cttccctggc      120
catagccttg cctctgtgtg ctcccttggc tgggaatact cttcctcctg ctccattttg      180
ccaggccagt tcctacccat tctcatggca aacatccctt cccaaaagac ccaacgcctt      240
ctccaggcca ggtcatcccc cagctcctt cctatgccct ctcaggactc tatagttctt      300

```

<210> 379

<211> 258

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(258)

<223> n = A,T,C or G

<400> 379

gggagctgca ccacaaacgt ctagctctca gcagagctgg gagcaaagcc tggccgcccc	60
ccccaacctg gggtgcctc ccactccgtg agatgcttct gtctcctgtt cactttgtgt	120
ggtagtttct tatttnccaa tgcactctnat tngatcatta ctgngacctt ggaaatcnet	180
atgntanggn nancnntnna gnnngcncntat attntaaan cttttgnatn ttaagnctcn	240
tantttngtn ntctggnt	258

<210> 380

<211> 248

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (248)

<223> n = A,T,C or G

<400> 380

cccaggcctc ccgaaacca aagggaagg caggggtggg gccgtggctg aagccggctc	60
cccaaccaaa atgctgcacc aaagctcggg cgccgcgggc acggctgctg cagtctcttc	120
ccagcctggc cctggcaagg ggcgggtggg cgtgccagg cgggtgcttc tcgacgcact	180
tgtctccgga ggctgcgccc cgccgcctgg aaccgangt gggaagaacn gntngnnnna	240
nccttgtt	248

<210> 381

<211> 300

<212> DNA

<213> Homo sapiens

<400> 381

tcaccaacca gatgagcatc gggcgcgga agctgccagc cgaggagtcc aaggccaagg	60
tggaggctgt ggtggagaag ctgggggtcc ccttcagggt gctgggtggc acgcacgcag	120
gcttgtaacc gaagccggtg acgggcatgt gggaccatct gcaggagcag gccaacgacg	180
gcacgcccc atccatcggg gacagcatct ttgtgggaga cgcagccgga cgcccgcca	240
actgggcccc gggcggaag aagaaagact tctcctgcgc cgatcgctg tttgccctca	300

<210> 382

<211> 300

<212> DNA

<213> Homo sapiens

<400> 382

cattgttgta tcagtgggtg ttgatgaaga aattgtttat gccaaatcaa ctgccttaca	60
gacatggctc ttgggttatg aactaactga tactatcatg gtcttttgtg atgacaaaat	120
catctttatg gccagcaaga aaaaagtggg gttcttgaaa cagattgcca aactaaggg	180
caatgagaat gctaattggag ccctgcccac cactctgcta atacgagaaa agaataaag	240
taataagagt agctttgaca aaatgattga agccattaaa gaaagcaaga atggcaagaa	300

<210> 383

<211> 279

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(279)
 <223> n = A,T,C or G

<400> 383
 ctgaaggga cccacccacg ctccttcctt cccaagagac tgagcggggc atggagatcc 60
 tcaaagtgt cttcaacatc accctggact ccatcaaggg ggaggtgtng gaggttnttt 120
 atgttatntt ttngntngt tntttnttt ttgngtntg tttttttttt tttttttttt 180
 ttntatntct tntttnttt ntntttntt tttatntnt ttttnntct tntttntnt 240
 tntttntnt nngtntttt tttattntt tnttttttt 279

<210> 384
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 384
 ggaagacata acagtgttg tgactccaga gaaaccactt cgacggggc tctcccaccg 60
 aagtgaacca aatgcagtgg cacctgcccc ccagggtgtg aggtcagcc taggccccct 120
 cagtccagag aagctggagg agatcctcga tgaggccaac cggctggccg ctcagctgga 180
 gcagtgtgcc ctgcaggatc gggagagcgc aggcgagggc ctggggcctc gccgagtga 240
 gccagtcct cggcgggaga ctttgtgtc gaaggatagt cctgtccgag acctgctgcc 300

<210> 385
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 385
 actgggtttt tgttctgtgc ctccagtatg tgcataaggaa atgtgtcttt gaatgatggg 60
 gaagtgtgtg aaacgcacta ccaaaaggag gtttcatacc ctgttcacct aattgtgtca 120
 cagaaatcag aaaaggaaaa tctgtgtcag tgaatttcac tgtatcgtca accctccaga 180
 ttggggggtc tgtggagtca accaaccttg gatcaaaaat atttggaaaa aaaatttgca 240
 ttcatactga acatgtacag actttctttt cttgtcactg ttccataaaa caatacagt 300

<210> 386
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 386
 gggaaaataa ccaggttttg atctttttta gtctgggtgc ttactggatg tcaaggtaga 60
 aagtgtccaa caaggtgctt taactatagg ttgagttctc aaaaagggtta agagggtaga 120
 gttatagtga catcttcagc atatatagta gttgaggcca gtggaaaatt tcccattgag 180
 agctctgaga ggaaagtatt ttagaagcca agggaaaaag gagtattgag aaagcgttag 240
 atatcacaga aaaattagat tgggtgatttc taagacaagg atataaccgt taggatgtca 300

<210> 387
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 387
 caaaaataat agaaaaaaa acagaatttc cacaaacccc cacctaattt atctgcctcc 60
 tgccatcagt gccaatatac tgtgcttttc tctgtggat acattattta ggccactatt 120
 caggggccaac cctccacct gcctactaga ggccatcacc acttgtttat tcaagggcac 180

agctccaggt agttttcctt ctcttgggga tcatcagttt ccttctgtct accaggtcat 240
tcccattagc atgtttttgc cgcttttctt aagagataat atctcaaccc taattcctcc 300

<210> 388
<211> 300
<212> DNA
<213> Homo sapiens

<400> 388
ggattatctt gatgatggtg actcattatc agtgcttttg tacttttgat tacctgtgtt 60
tcagtattag tgtcacttta gtacttcaga tcctgcaa atttttgcag atgaagtatg 120
tatgtatggt actaagttaa acttagaaac agaacctcat tcagttttta taatgtattt 180
ttgcaaacta ctgtaaatag caaatcaatg ccaatgttaa acaaagagga aaacgttgtg 240
tggactttgt tctcttgac cggtatttca ggaacatctg cttgccatcc ccacagctct 300

<210> 389
<211> 300
<212> DNA
<213> Homo sapiens

<400> 389
tttttatttt gaaatacttg gctgacttac aaaagacttc ccctcacact tgacatgatt 60
gacaaaagct gtttgcagtg tttcctgcac gatgaacacc aggaacctgg gaagtgaaga 120
gaacctggg atgaagtcac cctgctggaa tgacctggct ttcaggctga ctgccacccg 180
ccccatggg aacctatctc cactgctatg gccagctatt tttttcgagc caggctctcg 240
ctctgttgcc aggctggagt gcagtgggtg aatcactgca ctgatectcc cacctcagcc 300

<210> 390
<211> 300
<212> DNA
<213> Homo sapiens

<400> 390
atccctacct agaagagaat agatgggaag agaactgaaa gaaagaattc ctcaagcact 60
gaagtcagga aaatccccgt aggcactgta ttagttgttc catttatccc agcactccac 120
ttgtggatga aggagttgta tagaaaggag atgagaaaat ggcaggagtg gaagcagcca 180
agaagagatc gatgactgaa gatctccttc accttcagga ctgtctcaag gggttatttc 240
acctctactc atgaggatgg ccagtttttc tgtcttttat ctttagacct atatataatc 300

<210> 391
<211> 300
<212> DNA
<213> Homo sapiens

<400> 391
aatcagtcag atatgcctag atgaagaaac aaaatggcaa tctgagtaga agaaataagg 60
agaaaggagg agaggtgtga aaaaagatcc tttttctgag aacaagcatt caaacagata 120
aaacacaggt ttcataaaga aaagttaaat gtccactac tatgagtcaa aatggtgcat 180
ttgttttttc ctgggttttg atttattgcc ctctgtttgt accccacatt cgcctccttg 240
gcacagactg tcatatgtca cacattcagc ctctacact tccacccac aatctcttta 300

<210> 392
<211> 300
<212> DNA
<213> Homo sapiens

<400> 392

tcactgttgc	agcctttttg	aaggggacac	agtctaggag	ggggataaat	gggatgccct	60
tgccccagag	agaacccagt	tctaggtact	gtctgggcct	gggaggcgag	agcagtgtccc	120
aggggacttc	tgggcttaca	ggacagcgtg	tgtgacaaaa	ttcagatcta	cctgaacttg	180
cctctggaga	tgataagggc	caaaggagca	gtcagggagg	ggcggtgagc	cagagtagtc	240
ccagggggag	acagattcct	ccctcctccc	cgctgcagc	tctctttaat	tttttgtaac	300

<210> 393

<211> 300

<212> DNA

<213> Homo sapiens

<400> 393

tcactgttgc	agcctttttg	aaggggacac	agtctatgag	ggggataaat	gggatgccct	60
tgccccagag	agaacccagt	tctaggtact	gtctgggcct	gggaggcgag	agcagtgtccc	120
aggggacttc	tgggcttaca	ggacagcgtg	tgtgacaaaa	ttcagatcta	cctgaacttg	180
cctctggaga	tgataagggc	caaaggagca	gtcagggagg	ggcggtgagc	cagagtagtc	240
ccagggggag	acagattcct	ccctcctccc	cgctgcagc	tctctttaat	tttttgtaac	300

<210> 394

<211> 284

<212> DNA

<213> Homo sapiens

<400> 394

ggctggtgga	agaaaggggc	attccagact	agagggagca	gtaattgaag	agtcctgaga	60
gaaatgtagg	agagagagag	actaaagggt	aaactggggg	caaactctgat	gaagggcctt	120
tattggggat	ttaggcataat	ctaagagtag	ataaccatgc	ttagtcttgt	ccattagaaa	180
cagtacaact	tagctctgta	actgagtagt	tgtggttata	aggctgttcc	aaaacagtga	240
gatgcacttt	gataagctat	gatgcctatt	ttttcacata	tagg		284

<210> 395

<211> 300

<212> DNA

<213> Homo sapiens

<400> 395

aatgcggccc	gagagagaag	gaacacactt	atgggcttgt	cctgaaatga	aagggaatga	60
ggaaaactgg	gtagagggca	aggatgtctc	agcctggtgg	ctctgctctc	caagagggaag	120
gaatagagct	ttagaagtgt	ggatggccag	agttcagggc	agcctggctc	ccaagcctac	180
ctaaaacaac	catcccatc	ctagaccctg	ggattgagga	ctgggcagag	atgaatcatc	240
cattccaggg	aagccatagg	cagaccccag	acttcgggga	gcacctggcc	ttgctccac	300

<210> 396

<211> 299

<212> DNA

<213> Homo sapiens

<400> 396

gcactgtcat	gtctctagct	gggaaataca	cattgaacaa	ctggttggca	acggtaactg	60
ttgggccagg	cgggcatgca	cgcaacatac	taccacaaag	ccagtgacca	getgcaggtg	120
ggtgtggagt	ttgaggccag	cacaaggatg	caggacacca	gcgtttcctt	cgggtaccag	180
ctggacctgc	ccaaggccaa	cctcctcttc	aaaggctctg	tggatagcaa	ctggatcgtg	240
ggtgccaccc	tggagaagat	gctcccaccc	ctgcccctga	cactggccct	tggggcctt	299

<210> 397

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 397
 ggtaaatcag tttggaatgt gttttcatgt actcttaagt tactcaatgt tagtgatg 60
 gagttccaaa ctggtgtttt acagtgatag ttattaatcg ttttgtaga aagccaaagc 120
 ctttattaat acagatggg gagattaaaa tgaaacctgt tactgattat ttagaagtta 180
 ctccctttta ttttttaatt taggaatcat ttctgtagtt gttaattata aattataatt 240
 acttttgcgt tttatttaca gaaaacctgg gagctttcct tccaagtgtt ttctttaatt 300

<210> 398
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 398
 ttgcagtcgt gtttctgaga agtcttttgt cctctgagca gtggaaactc cctgttgaac 60
 tgattttgta tacctgtgta ataggatgtc ttgtatttct gggttcgtta ttgcctttt 120
 cttacttaca gctatgggaa aattccaaaa atcaaatatt ttacaagatc agtgattact 180
 cagtagaaga tacattttta aatcatgttt aatacctaag ccaatgaaat gagcattata 240
 tagtttaggt aagctttttt taatgggttag tatttaacta tagtatttga ctaactttta 300

<210> 399
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 399
 ctcccctaatt ccatcccccac ctgttagaat tctattttatc tttccagtct tagttcaaat 60
 accacttggt tctatgaaac tttcttaact ttccaacaca aattcacctc ttcatctctc 120
 tattccctta gcagtttgct cataacttta ttatataatg attgcactcc aacttggtac 180
 ttagctaatt acgtacctgc attccacact agactgcaaa cttgaggaag atgggtgctg 240
 tggctgccct caaacgtat gtgcctccca taggacacaa gagttgggta tgcaggtgtt 300

<210> 400
 <211> 264
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (264)
 <223> n = A,T,C or G

<400> 400
 atttttatgt gtttattcct attttataga attcttagtt gctggaagcc ctcaaaactt 60
 agtcatatta ccattgggta tttattgttc cttttcaagt gagggacgag cataatcaaa 120
 tctgcattgt acatgaccag gatttttttt taaaaaaca gtactgccct ggtggatcta 180
 gtttattatt gagtgatat cagaaaggta aatagtttgc catgttggtg catnaaattg 240
 nnnngnncnc ctactnattc tacc 264

<210> 401
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 401
 gtaaaggaaa gcactaagcc atttttctctg ccctctagaa gcttataatg tacagtccta 60
 tcacaaaagca gaataaaaac atgaaaccta taaatgggaa tgccataaag tattttttatc 120
 tctacaggtt cattcatgca gagggcattt attgggtgac tgcagtactg caaaagggtg 180
 caaaggaaat ggaagatctg gtcctgtag gttgggagtt tacaatctaa ttagaaatac 240
 aaggcatata tacgtgaaaa aactagaatc cccagctgta agcaaaaagga tggagtaggt 300

<210> 402

<211> 300

<212> DNA

<213> Homo sapiens

<400> 402
 ctcatctgaa aacacccaca acataacata aagattggac tctacagcct gggaaaggaa 60
 tcaactgctgg agcagctggc cctggagttt cagacctggg tggattgag tcctcggcgc 120
 ctggagttgg tacagctact gggcctggca gatgtgttca cagtggagga gaaggctggc 180
 cgcattccatg cagtagacca tatggagatc tgccattcca acatgctgcg ttggaaccag 240
 acccaccta cgattgctat ccttcccaca agccgaaaaa tccacagctc ccaccctgat 300

<210> 403

<211> 300

<212> DNA

<213> Homo sapiens

<400> 403
 gtttagaaac tgattctaga catttaagtt cccagactaa tgtcacagaa gctaataaat 60
 tgcagagggtt aattggaagc ctggtcttaa cactcccagg ttatcttaat gagttcatga 120
 ggatggcata tggataatgc acttcaaagg gtgttgtaag tattaactaa gttaatacag 180
 gtcaaatgca tatattagca ctcaatgcac ggccattgat caataaatgc tagtggttct 240
 gatcagttag aatctaact ctgcttaaat acctttagtc atcagcagct tccactccct 300

<210> 404

<211> 300

<212> DNA

<213> Homo sapiens

<400> 404
 aaaagtctcc caccttttct cctaaaactt ctctccttcc tctccataaa aagaaaagga 60
 aaggaacaaa agaaaaacat tcagtttttc tttttctgaa aaaggtaagt cctttcctga 120
 agtcatcaaa tgaaacatta tctggaaatt agtttctaag gttgtatatg aagaaatact 180
 taaatataag ttctgcagc atttattaga tagttgtaac tgtaaaactca cctccctagt 240
 agataagagt ttcagggttaa atactggaac atatattaggc agtcaaaaat actacttta 300

<210> 405

<211> 295

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (295)

<223> n = A,T,C or G

<400> 405
 aaaaaataaa agtaaattct aggcaagcta aagagtgaat tgtatcatca cataggagga 60
 agtgggggaa aaaagtgaat tgtaagaaat gaaatgataa gaagaactta gtgggtattc 120

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gtttgatttt ggaggcactc taggaaaatt ctgccagatt gtactacatt taaaaaaaat      180
tttttttaac ttttgtgtgc ttcagtttgg ncatagacna atgaaaaggc acatcacana      240
ctaanangaa aatcagntcc tataatatgat aacgggttaa tatngttnta tatgg          295

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<210> 406
<211> 165
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(165)
<223> n = A,T,C or G

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<400> 406
atgcgcttat taggtatttt atctttcaaa aatatatgta cccaactgtg tttgtttgtt      60
tcttgactgt gaacactgaa gaggactaga tcaaaaatga ccaattgagt agcaattgaa      120
catttcagat gctgngtgca gtgaacttct gtagcaccca aattg          165

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```

<210> 407
<211> 300
<212> DNA
<213> Homo sapiens

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```

<400> 407
gctgagatca cataagtaca gaatcatgac cttaatgggt tgacagtttg gaagcaccct      60
ggcaacaagc catttcagtg gaatggtaga aatggaaacc acgctgggtt gagaagttag      120
tggatgtgaa aatatggggc ctctgaatgg aggtaaccct tgaaaaattc cactgtggag      180
aagaaaaggag agagagaggg ctggaatttg gaatgaaagg agatatttgg gattatttta      240
gtaagaaaac agaggtgtca tgacctcagt gtaaccctat tagctgcaaa aaattcttca      300

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<210> 408
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 408
gggagcctgt cactgcttga gacagagggc aaggaccacg gccttgaact cagcatccac      60
aggacgcccc tcttgaggga ttttgagctc gagggagtgt gccagctccc agaccagtgc      120
cctcccagga acagcatgcc taaggccgag gaagcctctt cctggggaca gtttgggttg      180
agttccagga agagagtcct gttggccaag gaagaagctg accgtggagc caaaaggatc      240
tgtgacctga gagaagattc agaagttagt aagagtaaag aggggtctcc aagttggagt      300

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```

<210> 409
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 409
cttgtttctc tgaggaagct gaattaatgg aaagtttctc ttaaaactta gaatatattg      60
tttggcaatt tctgctgtgg gcctaataatt gcagaatcaa agttggagct acatcatgta      120
gcacttgctt caataagatt gccttagtga cacaatgcaa aaggttacag acttttcttc      180
aagttacat tccccacaag ggcctgtgat gaaagaagaa aagagaagca agaaaagaaa      240
taagctagat acttccccag cacttggacc ttcaaaattt gtacgatata gggagacact      300

```

```

<210> 410

```

<211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(300)
 <223> n = A,T,C or G

<400> 410
 gctatccctc ctccgtgtcc accctccaga ggtagtctct gttacccttt tatttataac 60
 ttttatgggt tttttttctg tatttataca aatcgatgca caaagagggt tctcttctct 120
 cataaaagtg attattagtc ttcagtgtgc ctttttttct cctaacaaat gtaaaactggg 180
 agcattttcc caagtacata tttataatac ttacgggtgcc tatctagtat tctgtgaata 240
 tatactgtta attnattcct tcccattgnc ngacttacct tgnttccatg tattgccatt 300

<210> 411
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 411
 gtttagtggt cctccactgc tagaaathtt gggtgttcct gatttttatt ttccctttta 60
 taaatgtctc tttgggtgaac gttatttagac ttacagtata atccagtga tacataagcg 120
 aatgaagaca gtaaccctca aacagatgtg tgtgtggcat gtacattaac tgctatcctt 180
 tcagcacttt gttttgttga aatggccatt tccattatgt tcaggaaaac tcattttggg 240
 aagaataagc aataaatttg taattaatga aatctgggtc agtttttcag tttgtccagg 300

<210> 412
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 412
 gacagaatgt gcaaattaag tttgaattaa tgtaactaca gaattagata aaatcttacc 60
 tgagtactga ggattttgtg aaatgttaga acctgggtgta ttgggcatta tgaacattaa 120
 cccagggaag cagttaggtt tgaaggaagg tatgggcagg agcttgacag atgctggcaa 180
 cacatattat tagatgtttc tgtgccattt ttatagtcaa agtgtgttca tgggaaaact 240
 aaagaatttg ggacagttga caaaattaag tcgtatttta gtaaattaat taaaaagttt 300

<210> 413
 <211> 290
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(290)
 <223> n = A,T,C or G

<400> 413
 gctatccctc ctccgtgtcc accctccaga ggtagtctct gttacccttt tatttataac 60
 ttttatgggt tttttttctg tatttataca aatcgatgca caaagagggt tctcttctct 120
 cataaaagtg attattagtc ttcagtgtgc ctttttttct cctaacaaat gtaaaactggg 180
 agcatttttc caagtacata tttataatac ttacggggcc tatctagtat tctgcgaaca 240
 tatactgtna nntnatnct nnggattgac agacttacct ngngtccatg 290

<210> 414
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 414
 gtacagcttc atcactgggc cagctgtaat accagggtac ttctccgttg atgtgaataa 60
 tgtgggtactc attttaaatg gaagagaaaa agcaaagatc ttttatgcca ccagtggtt 120
 actttatgca caaaatttag tgcaattca aaaactccag catcttgctg ttgttttgct 180
 cggaaatgaa cattgtgata atgagtggat aaaccattc ctcaaaagaa atggaggctt 240
 cgtggagctg cttttcataa tatatgacag cccctggatt aatgacgtgg atgtttttca 300

<210> 415
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 415
 gttctattca tgtttcattg atgtagtacc ttcttttgct tttattaaga tactaatggc 60
 gttttaaaca gtttttgctc cttttcatag tttctgactt ctcaatgttg cattatttta 120
 aaaaaaatgt ttaaaaagggt tttggcctcc atctttccta gatgctctcc tgaaatgtct 180
 gacccttgat tattgctcat gtttaagggt agggaaactaa aattatgaaa cttctaagtg 240
 tggggattgg gttttaccag ctatgagcgt cagtgtatag caatctggct gtactgttgt 300

<210> 416
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 416
 ggaaagggcc gtatttgagg tcgtagggat tcacagtaca gctgcagaac aggactcctc 60
 ccctgggtccg gggtgcgac tgtgtcacat ggacaggctc actgggttatg tgctccacca 120
 agttatatgc acaaagcttt tgacactaca gtcccgcctc tggaaataac cttccctatg 180
 ctgcacaaag attcaaagat gggcatttac catagacca tctaatagca aaaacaacaa 240
 aaaacacccc aaacccaaat cctgaatatt cgtgaagaga ggaatggtgt taggaagtat 300

<210> 417
 <211> 297
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(297)
 <223> n = A,T,C or G

<400> 417
 agatctagag ctttggatct ttcgggtata tgtcaatgga ggtattattc tatagggnct 60
 ttncattnaa atgacttggn tncntnctnc ttncncnaaa ctgncggct nccancgntn 120
 ctncenntcc ccgctcnc tgcctgcnc cncaccatan cctctnncac cnnncaentg 180
 nccnaccnc gncceantcg cncncancg cccctccac cntccccacc cncctctct 240
 nctcccccn annnanntcn cncatcntnn antcnncan cncctccacc tctgctc 297

<210> 418
 <211> 300
 <212> DNA

<213> Homo sapiens

<400> 418

aaggcacaga	ggtggccacc	aacctggtga	ttctctgcac	cggcatcaag	atcaacagct	60
ccgcctaccg	caaagcggtt	gagagcagac	tagccagcag	tgggtgctctg	agagtgaacg	120
agcacctcca	ggtggagggc	cacagcaacg	tctacgccat	tggtgactgt	gccgacgtga	180
ggacgcccac	gatggcctat	cttgccggcc	tccacgcca	catcgccgtg	gccaacatcg	240
tcaactctgt	gaagcagcgg	cctctccagg	cctacaagcc	gggtgcactg	acgttctccc	300

<210> 419

<211> 300

<212> DNA

<213> Homo sapiens

<400> 419

ttttacgatt	ctaaaatcct	aacagatttt	aacagttgct	taaatattat	ttcttgcat	60
atatagcttt	ttaaggctgt	gggtcaaaga	tagatgtact	catttgagac	ttagtgattt	120
gttttataag	tatgttgaat	aagttgagcc	agtttgaatt	gtgtccttct	cttttaaga	180
aaagatttcc	caaattttaa	cctggattta	gatgtttttt	gggttaaccc	tactgaactt	240
tccaaaattt	tcaggcttct	gggcctaact	caaactgtaa	tttcatgagg	ccggccaagt	300

<210> 420

<211> 300

<212> DNA

<213> Homo sapiens

<400> 420

attacacttg	aatatTTaaa	aacaaaactt	ttaaacttcc	tataggttta	tgatgtttgt	60
tttcatTTat	atggacataa	tccttcatag	ctcagtttat	atgccattgt	tgtattagaa	120
gggatcaaaa	tcctatggaa	caaagtagtc	ttggcaagtt	ggcagtttgt	gtcctctcag	180
ctgtttaact	tatgtaatgg	atgttttgca	cctgaaaaca	ctataaaaat	ccagtgggtg	240
tttaaaaagt	ccatttgtca	ctaattccat	tcaggttctc	caaccttctt	cttgaatata	300

<210> 421

<211> 300

<212> DNA

<213> Homo sapiens

<400> 421

agatagtctc	tgaattttaga	actgggacga	aagtgtacat	aataggctat	tataaaaattt	60
ttagaattgg	atttctaaac	ttggggtcag	tgaatctagc	aggtttaagc	agtgttctca	120
ggttttcttg	gcacagacaa	ggaatataag	aggaggagag	aaaaggagag	acagtagtgg	180
gagggaatag	aatgagagaa	gatagaaaat	atggaattaa	tagagaaaag	atacatgaag	240
tattacaaga	ttttcttgga	aaaattggca	tttcagtgat	ggatcaaaga	tgtctaataga	300

<210> 422

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(300)

<223> n = A,T,C or G

<400> 422

```

gcccagtagc ctcccacctt tgaccggtac caaggaaga acacctacct ggagaagatt      60
gacggcttcc gagcctatta caagcagtgg ctgacagtga tgcccgacaga ggaaaccccg      120
cacccttggc agaagtccg gaccaagccc cagggggacc aggacaccgg caaggaggct      180
gatgacggat gtgcccttgg gggcaagggt atgggagcac agcttggaac aatgtgctcg      240
gccccagtagc tttgtggaan cccnaggnc nttacnttgg ggtnacctct ggccctggggg      300

```

```

<210> 423
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 423
gctaattcag catcttcagt agcttctaaa aaataagcat catcaatgcc attatcccag      60
acagcatcag cagatgcacc tgttgacagc ctgctagggt atggtttatg aggattctgg      120
gtttcattgc tctagtttc atctgcttca tctgttgtaa actcttcttc ctttatttca      180
gtgtgaagg gatagagagt gggataggaa aatatttact caggatatgt gatttaacct      240
tatactctat gttgaagtaa ggtattaagt gacagatact aaagtgaata tgcaggagga      300

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```

<210> 424
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 424
cttttcctc ccaaagttct gggattacag atgtgagcca ctgtgcctgg ccttattcag      60
atctgaaaa ttcttttgc cgtataaggc aacatattca caggttccag gattaggcca      120
tggaacaatt tggggaggta attattctgc cactacacc ttgggaggca ttcatttgct      180
cacctttact ttctttcctc tccctgtctg tactgatacc atggatagtc tatcttctct      240
tcacttcctt ctccaggaat ttcatttatt ctcatcatt tgatatttaa tgaggatgac      300

```

```

<210> 425
<211> 259
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(259)
<223> n = A,T,C or G

```

```

<400> 425
ggggagccag agaagagctg tgagcagga agggataggg tcaactctag tgacatcaca      60
ctgatggaca ggagataaga ggccaggag gaggtctggc ggagagtcca gagcggaaag      120
tgagtgccca gctctcactt ccttatgtct ctctctgctt cttacggccg ctgtccctga      180
atgtttcttc cctgtctggg tctgggctgt gggcttctct cagagggctg gggggtttct      240
acccttttt tntncnta

```

```

<210> 426
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

```

<400> 426

gacagaattc acattgggat ccagtctttt cctcttatga atgggtctac cgccaggtga	60
cgctcaattg cacgaagctt acccttattc atatgaggan ncnaccnaan ncacattngc	120
attnatgtnc ctntnngatn aagagcgcnt gcnnancctt cctntntgc ccngcagacc	180
cncactnntn ccacttcca tgccnnnt nccatnangc tncntttnc gctncntctg	240
acggctncnt ttgccctctg tcccnanaca nncagcnggn tncaccanca ggaagctttt	300

<210> 427

<211> 300

<212> DNA

<213> Homo sapiens

<400> 427

tgtttttggt tgggaggtat ttctgaactt aaaaaggaaa attgcaaacc attataggga	60
ctagtgtgcc tttggaggaa aaggaaaatt gcaaaccctt ataaagacca atttgccttt	120
ggaggagaaa gccaatttat catccaaaat cctcagaatt ctcaaataca aaaagttctg	180
aaaactgaaa gtttcttctt aagtttgggt gcaaaaagtta tttatagtct tgacttatcc	240
catttgatgt gaatctgctt acatttcatt gcacaaaatg tttctgtgat tgtgaaatac	300

<210> 428

<211> 300

<212> DNA

<213> Homo sapiens

<400> 428

gcacacacac gcacacattc cgaagttgac agactaacat acacacagac atgatgacaa	60
ccaaaagctg ggactccaca cactgaatgc aggactttag gcggggggca gagagagaag	120
gtgctggggc acaagaggca agggatgaa gtccctccaa ataggagtgg agtgccaact	180
gcctgcctc gctccaaaca cctgactcct gggccatggc aagagtccag tccattaagt	240
gcagcgtgca atactagcgc ttggagtctc ctgtcctcat caatgaagcg gtgtggacgg	300

<210> 429

<211> 300

<212> DNA

<213> Homo sapiens

<400> 429

agatcactca aaatttgcac gtgaagaata taagcagagc atcggtagca ctagtccagc	60
ttctgttaat cattttgatg atttatatca acctattggg agttcaggta ttgcttcac	120
tcttcagagt ctccaccag gaataaagggt ggacagtcta actctcttga aatgcggaga	180
gaacacatct ccagttctgg atgcagtgtc aaagagtaaa aaaagttcag agtttttaaa	240
gcatgcaggg aaagaaacaa tagtagaagt aggtagtgc cttcctgatt caggaaagg	300

<210> 430

<211> 300

<212> DNA

<213> Homo sapiens

<400> 430

ccacgatgag gaggaggatg agtatgaagc agaggatgat gaagaggaag aagatgaagg	60
cagaaaggat tcagatactg agtcacaga tttgtttact aatttgaatt taggaaggac	120
ctatgctagt ggctatgctc actatgagga acaagagaac taggggagct gctctggtg	180
ccgtgtgtga gaggagcagg agtgagtgtg tgtgcttgat gaattgtgtg tggttgttca	240
aaagtacctt agccacttag ccttgtgcag aagactagtt acacttaagt ggccaagcaa	300

<210> 431

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 431
 cttgaagcca cctttttttc cctccaatca gaccactgct gtaaaccaca ctgacactat 60
 tgtagtatgc ttttttccta taccataac acagtgggag attaaaaata atttttagg 120
 gtaggaagag aagtggatag agagccagga gatctagggt tgggtgctgc tggctcctga 180
 gttaagcagg catatgtctt tgggcaagtc atttcacttg ttttagattaa ttttctcact 240
 tatgaagtga gggatttga ctgcttagcg aggtactttt catctctaaa atttatgaat 300

<210> 432
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 432
 gatagcaaaa cctgattttt caaccatgac ctgcatgaga gaagcatcct aggaagtctt 60
 agatcatact tttgagtttt taattttaat ttatatagtg tttttttatg tcttaatat 120
 tttgtgaact ggtgtaaatt gttaatgcat ataagcttgt gtatttttgt aaatagtttt 180
 gtgatttatt tcttgcccca tatgtaaaata tttagagtct catttcttgc aaacttattt 240
 gaagctgagt tgtgggtttg ggttttggtt gtttcttttg ttgcagggtg ggggtggggg 300

<210> 433
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 433
 gcactttcca tcaccaggcg cgggagtgtt ctgtgaactt gcggaaccgg gtgtctgcca 60
 tccatgaagt gccccgcgcc agatccttca ctttcctcaa tgatgcctgc cagggactgg 120
 agcaggctcg gaaggtgctg gcctacgcct gcgtgtacag cttctacagc caggacgcag 180
 agtacatgga tgtggtggag cagcagacag agaacctgga gctgcacacc aatgccctgc 240
 agatcctcct ggaggaaacc ctgctgcggt gcagagacct ggccctcctcc ctgcgcctcc 300

<210> 434
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 434
 cattcatata atgacatctat gaggcagaag gaaattaatc agatgttaag tcatgtgtcc 60
 aagggcattc agcttagaaa tggaactggg atttgaacct agagtaacca taaaatcctt 120
 ctttttctac accaccatgg tacctcctag atgaagctga attttgctc taagctacta 180
 gtcttcacaa tttagtttac aagtcactct gggcataaaa accagacacc tagaccttat 240
 gtagagattg ctacagcaca ggaacagggt tcttagcaag catgacgtac aactaagatg 300

<210> 435
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 435
 tgtttttgtt tgggagggtat ttctgaactt aaaaaggaaa attgcaaacc attatagggg 60
 ctagtttgcc tttggaggaa aaggaaaatt gcaaaccctt ataaagacca atttgccctt 120
 ggaggagaaa gccaatattat catccaaaat cctcagaatt ctcaaataca aaaagtctg 180

```

aaaactgaaa gtttcttctt aagtttggtg gcagaagtta tttatagtct tgacttatcc 240
catttgatgt gaatctgctt acatttcatt gcacaaaatg tttctgtgat tgtgaaatac 300

```

<210> 436

<211> 300

<212> DNA

<213> Homo sapiens

<400> 436

```

gtgtccactc tgtaggcagt ttgctaacag tgttcttcca tgttatcctg gaagcaatgt 60
ggaaaataac ccttggcaac gtcctagcaa caaagcata caagatctca taaaggaagt 120
ggaggagctg cagggacgac cgggagcttt cccagtaagc atcagttcag aaacaaatct 180
aagtaaagaa atggaatctg taatgaaaga tataaaaaat accactcaga agaaatatag 240
agactatagc aagaccccgg gctcaccaga caatgatctt ctctttatgt actctgttgc 300

```

<210> 437

<211> 277

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(277)

<223> n = A,T,C or G

<400> 437

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aaaatatttg ttaatcaaatt gaacatgatt gctaaaaggg ccaaagaaga ttacaatata 60
aaaagtataa taaaagaaaa ttataaatct taaaagcatt caaggaagct gtctttgaat 120
ttgaaatgca ttgtctatag aatatccact cagtggataa taatatatac cttgtgatat 180
gtggatatag atctcactaa tttctaata tgctttanaa tttngntact nccgatggtn 240
tggnatgngt cttngnaacn nntnnntnat tgggtgtt 277

```

<210> 438

<211> 300

<212> DNA

<213> Homo sapiens

<400> 438

```

gaagaactgt atgtcaaata attcaaaagg ggcaaaactg aatgtagtta tgtgggaaag 60
ccttcagaaa taatttaaat ggcactgttt atcagagtat gtatgccgag gaaaactaag 120
aatttagtga gcttataaaa ccatggtagc caggcgtggt acgtagctca cacctgtaat 180
cctcccaaag tgctgggatt ataggcgaga gccaccacgc tcagttagta tgacattttt 240
aaaagaacag tataaagcat aaaatatccc atgtggggca aactcccaga ttattttcct 300

```

<210> 439

<211> 300

<212> DNA

<213> Homo sapiens

<400> 439

```

tttttttga attattgaga atatttcttt ggaccacaca ctataaatg tgaaaaaaaa 60
taaaaagtat gccaaaaggg ccacgtgttt ctacaacaca cgaaagtaaa gaataatact 120
gcatgtctaa tatgcaaata aaatgtctct gccaaaatat cacaacttaa aatgccatta 180
tgaacaaaac cacagaaaga ccttatttgt gttacatacc aggaacatac caaaatttga 240
atgtctgata cacacagtga ttcacataag atgataaaga aacaaatgga tattttgtga 300

```

<210> 440
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 440
 aaaatattta acttataata atcaaggact caaaagatga aaaatagaaa ttacaccatc 60
 ccagtatttc aggtataaca cagaattagt aagatactgg caaaaatatt acaatgtata 120
 tatttgtata gagaaggaaa atgaagagac tgcattgtcta tacctaccaa acgaaactac 180
 ctgtgttctt tgcattcatta ttcaactggc agttacacat atttcacact aaagtcacgt 240
 aaacctgtgt ggatattgtg aatcaatagg gatattgaatt acataaaaag aattttgtgt 300

<210> 441
 <211> 256
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (256)
 <223> n = A,T,C or G

<400> 441
 tgactgcaat cctaattctc acatgttttg gggaaaaaat ttttaattttg aaaaaattta 60
 ggaaagtcc taccaaatat acatgtataa agtttattaa aagtcataat gaccaggaa 120
 tagctaata cacagaagta gatcaaaaata gaacacanta gagaacttna nantaaaaca 180
 ggcgtnnnaa ttntgtncnn nnctnnttgc nnnngncnntn tcaccnctng ccngcncnn 240
 cncnctgnc nntcnc 256

<210> 442
 <211> 187
 <212> DNA
 <213> Homo sapiens

<400> 442
 gagctctctc tggaaagctc gcaactggaat ggagaacaca agcaggaaat gtgaaaagta 60
 acggttgaaa gccttactta tgatgacaca tagggaggca ggtgcatatc ttacaattct 120
 agacacttgg ataccttggg aaaccatatt gaaagttacc ttgatttctt tctttctttt 180
 tttttttt 187

<210> 443
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 443
 gttggcacct tcagttcagc acagcctgag cagtgagaag gtctgaaagg agagtatata 60
 gttaagatcc ttgagaaagg gctgcctgag gaactgacct cttaaagatc tcaggatctt 120
 taagacaaca agtttaggtc ctactggagt tacctgccag aatggcctct taattaactc 180
 aggtaatgaa gagctaactg tggtataatc atcttgcttt tgacctgaatt tggagaaagt 240
 attataatta agttcccagt atcagaaatg tccttacata agattaaaat atcttgatga 300

<210> 444
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 444
 tctggataga aatgcagagg aggctgctct acagctggac agtagtgagc tctgggcccgc 60
 catgagactg cctgctccat gttgtatgtg gggcagatgt gggagaagga tgggtgggaag 120
 aatggcttcc aaactgtcga ttgatcagat aaacaaggga ggatgccagg ggataatgcc 180
 aagaagaggt gggtaaagaa aggaaaggaa tccacaaaag ggaggagggg agtgccaggtg 240
 tgcattgtgt ctgaaaagtg ctcattgcaca tacagtttgc ttattattta aaaacttact 300

<210> 445
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 445
 gctagcttgt attgttgttg cttccttcgt tctctgctgg ctgccattct ttacagaaag 60
 ggaacaaacc ctgcaggttc taagaagact cttcccggtt gatcgtggat tatttgagga 120
 taaagtagcc aatatttggt gcagcttcaa tgtctttctg aagattaagg atattttgcc 180
 acgtcacatc caattaataa tgagcttttg ttttacgttt ttgagcctgc ttctgcatg 240
 cataaaatta atacttcagc cctcttccaa aggattcaaa tttactactg ttactgtgtc 300

<210> 446
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 446
 gtcaccttta aggaagaaag taaatttgaa ttgtcaggaa gcaaagttat ggagcagcaa 60
 tctaattctac agccagaggc caaagagaag gaatgtggag actctctgga gaaagacagg 120
 gaaagatgga gaaaacatct gaaggggccc ttaaccagga aatgtgttgg agcttcacag 180
 gaatgtaaga aagaggcaga cgagcagtta attaaagaaa caaagacatg tcaggaaaat 240
 tcagatgtgt ttcagcaaga acaaggcatc tctgacttac ttggaaaaag tggaattact 300

<210> 447
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 447
 ttttagtcca gtggcttgta attaatgcat ttttagtctt taattatggt gggtgctttt 60
 agaattctct ttttagagttg gtctacatcc ttttaaaaca tgggcaatcc aaatttataa 120
 cagtaaatta agatacataa aaaaaaacac tggtctaaatt taaaaggaaa cacttctaga 180
 atatactgta ttttgacaca agaccagact gtgctatgtg tatgtggtgt ttcaagtaat 240
 ttaagaaaac tggttgaatt ttctgtatct ccagtttcac aagaaacaac ctcaaggagg 300

<210> 448
 <211> 285
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (285)
 <223> n = A,T,C or G

<400> 448
 gccaggcaac aggactaaac tacctccaaa gcaagcagtc ttttcagttt tgactgagtg 60
 atgtgaggaa cttcttttct tttntttttn ttontttttn tnnnnngnttt ttttgaanct 120

gnttnngttt nnntntana nggtncatgt ttagctgnnt tttttttttt tttttaatnt	180
ggnaanttat ttgngtnttt tgnagngan tttttntnn nnttttatan gttntnaggn	240
ngnanccnn tttntcnnt ttttttnna aaattngngt ttttt	285

<210> 449

<211> 300

<212> DNA

<213> Homo sapiens

<400> 449

gaaaaaacca atttaataga aaagataggc tttgcttcag gaagctgggt gagaagaaga	60
aggaaaaagt cgattctact gactgacgtt tccccctgct gttaagaatc ccaaccacac	120
actttcacac actattccag gttctggcta ctgaatgac ccacagctga ggtctattgt	180
catcgctcca cttctatttt tagcagcact aaaaacattc ccaaaaaaaaaa tgttttttag	240
ctttttaact gtagattcac cactaagaaa ttggcattgg aacagtcac agagcttatt	300

<210> 450

<211> 300

<212> DNA

<213> Homo sapiens

<400> 450

cagctgccct ggaggtgttt accatgtccc ccattttcca gaaggcgaag ctgggacatg	60
gattaggtca gctgtccaag gtcattggagc aggatccaaa ggaggcctgg agagtccat	120
ctgtctggcc cttctttgt gctgcctcta gaggatactg ggggaagctc ctcttgctg	180
actctgccag gatacccttg gccatcaagt gtcagctaa gccacagtgc cactctgggt	240
caggccgacc tgggccagc tgtgcaggat gaggtacagg aggcagctgc cacagctgct	300

<210> 451

<211> 300

<212> DNA

<213> Homo sapiens

<400> 451

ggtaattaat aagcagacaa atcagaaaca atatagaaga tctgaaaaat agagttgacc	60
agctctaatt ggtccctgta tccaatagtt agagatgggc attgttttta ggcacatgtg	120
aaataatggc cccccgttc tggccagca gaaattatat acttggaac aagtctcatc	180
acattttaaa taaactgtca aaaagataac attctcatgt ttccgcaatt taattttaaa	240
atgaaattaa atttttttga aggtaaaata cattttggaa atctaaactg ttttaactctt	300

<210> 452

<211> 300

<212> DNA

<213> Homo sapiens

<400> 452

ccattgttag catcgtacac gattgtgatt tttatgtcaa aagaagccaa aacttgcaat	60
actattttta gcagacaaaa aaaagaacta agtataaaat gtataaatat ttttgacttg	120
aacatttgga tggcactggg tgcaagtaga gcatccatcc ttccgatgga atgtttggaa	180
aaaagagact tttaaaaagg agacggtgtg tttaaagagt ctgtttaggg gttaaagtac	240
tgtaactcac gactgttaaa aaataaattt tcctgtgctg taaaggaagg tttcacagta	300

<210> 453

<211> 286

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (286)
 <223> n = A,T,C or G

<400> 453
 atcgtatttta ttacttgttg tataggggta gaaaagagga ctgtcaatac aacaagtaat 60
 aaatacgata tatatttcat atatagaaca ttagaagggt aaagctctac agaaaaaaaa 120
 aaangngngg caaggccggc cncaggggct nacncctgna atcccagcnn tttggnaggc 180
 tgaggcaggg aaatnacctg nggncaggag ttcaanacca gcctggccaa canggggaaa 240
 cntgtntnt actaaaactn caaaaattac ctggncatgg gggagg 286

<210> 454
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 454
 cagattttcca aattgttaac actttgctgc atctgatgtt ttccacctct attgtatgtg 60
 ttttttttct ctaagccaat aggagtaagc tacaggatat gacacctctt gacctcttaa 120
 tatttcagtg tatttcctag aagcgaatgc attatcctat atagtcacag tgctgttaac 180
 cacaccagga agttagtatt gccaccaggc ctcacactgt gtgcagtgat gtttcacagg 240
 ctcaccact gtatatagtg atatttctag tccccttcag tcaggaacgg tcccttgct 300

<210> 455
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 455
 attgcctccc agcttgggag catccaaagt agaaccatga ctgggtcatg aaatgggtta 60
 atttggtttc ttctattaca gggcaaagtt ctccctgtgg actgagaaat aaacatatta 120
 taaaagttag atagtctcat agaatagaaa tcaaagagta aaaagtattg agtgtaaaaa 180
 acaagtgtct tttttccccc cagtctaact cccagaagt aacctttttt attttttatg 240
 ttattttttc ttaccttcaa ggaaggagaa aagtaacctt ttttgagttg atgcgtatcc 300

<210> 456
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 456
 gagggaggat cccctgggtt gtgcatatgg cggaaggagg tattccagga gtggaggatg 60
 tcagcagggt gggaatggga tcagtgaggg gagggaggagc agaggagtca gaaggatcta 120
 agggtagggc tgaagggtggg aaaacaacct gtagggtctgt ttaggacacg gaaagggcct 180
 tgactttgct gccaacgaag atgtgaaggc tccaggcaag ggtaacaatc taacttacat 240
 tttatgaggg tcctgtggca gctgtggtga gaacagactt taggggtgct gaggtggatc 300

<210> 457
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 457
 gcccggtctc cctttcttgg ttaaacggat gaagaaataa aaatgccatt ttcatttgta 60
 aacttgtatt tttgtattta tatttaggag tataaaatgt acttatattt aggactacaa 120

aaatgtacct	gggaagggtga	cgggacctct	atactcaggt	taagtctcga	ctgcacactg	180
acaggagtat	gtagaccatt	ccatttcctt	gaagactcag	ccttgttagt	atcaggactg	240
gtcggcagat	gtgcaggaaa	aggtggcaag	aaagtgcagg	ttctagaagc	cgatgatatt	300

<210> 458

<211> 300

<212> DNA

<213> Homo sapiens

<400> 458

actggcccaa	ttaatatcca	tgccctgggag	tattagatag	gtgctccaaa	aacaatatag	60
atcctatttc	caaatgagga	ggagtggatg	cagagttgaa	aggtgaaaaa	aaaaaatgtt	120
ctttatagtg	ctccagtttc	ctttcttaga	aaagtctaac	tactgattga	ttgattgatt	180
tacttattta	gggttgagg	tgagatttc	attgacaatc	agaaagggca	agtttgattt	240
gtcttttcat	cctaaaagta	gcaacaagtg	tttgcaaaag	gctggctctt	tgttcagtg	300

<210> 459

<211> 300

<212> DNA

<213> Homo sapiens

<400> 459

gagatgtgtc	atcctgggtga	atgtcccttt	aactgcaacc	agaaggtaaa	acttaaatgt	60
ccttgtaaaa	gaataaaaaa	ggaattgcag	tgcaacaaag	tacgtgaaaa	tcaggtttca	120
atagaatgtg	acacaacgtg	caaggaaatg	aagcggaaag	catctgagat	aaaagaagca	180
gaagccaaag	ctgctcttga	agaagaaaaa	cgaagacaac	aggctgaact	agaagctttt	240
gaaaacagac	tgaagggtcg	tcggaagaag	aacaggaaaa	gagatgaagt	ggcagttgag	300

<210> 460

<211> 300

<212> DNA

<213> Homo sapiens

<400> 460

ttttatataa	gcagtactct	ttctcagttt	ctcttgaaca	ttcaactcat	tagtgagtgg	60
ttttcccccag	tcatttccat	ttttctttat	ttggctctga	tagttttctg	tttttgtttt	120
tcagagataa	tcctttacta	tactaaattc	tacgtgatta	tattttccac	ctctatttgc	180
ctatatattat	ctgctgtctt	ttccttttcc	atatatgggc	ttattttttt	tttccctctt	240
cttccttttc	taccttttgg	atttaaaaag	ttacttagga	ctgagtgcac	tggcttacgt	300

<210> 461

<211> 300

<212> DNA

<213> Homo sapiens

<400> 461

gagatgtgtc	atcctgggtga	atgtcccttt	aactgcaacc	agaaggtaaa	acttagatgt	60
ccttgtaaaa	gaataaaaaa	ggaattgcag	tgcaacaaag	tacgtgaaaa	tcaggtttca	120
atatgaatgt	gacacaacgt	gcaaggaaat	gaagcggaaa	gcactctgaga	taaaagaagc	180
agaagccaaa	gctgctcttg	aagaagaaaa	acgaagacaa	caggctgaac	tagaagcttt	240
tgaaaacaga	ctgaagggtc	gtcggaaaga	gaacaggaaa	agagatgaag	tggcagttga	300

<210> 462

<211> 300

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(300)
 <223> n = A,T,C or G

<400> 462
 ccgtggcccg tgggggatac agaggcagag gaggtcttgg tttccgtggt ggcaaagggc 60
 gtggtggcgg cagagggtgg accttcactg ccctcagagg atttcgcggt ggattcagag 120
 gaggtcgtgg gggccgggag tttgcggatt ttgaatatag gaaaaccaca gcttttggac 180
 cctaaaaggt ctggattgat cgtactgctt tctgaaagaa agacgtcaaa gctgctgcat 240
 agtctacaaa cnngtctctg aaaatangtg aatttctagc tcttcatggt cctgaacatt 300

<210> 463
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(300)
 <223> n = A,T,C or G

<400> 463
 attggagtga catttctcac gtgtgaattt ttcacataac taaaaaaca acctaaaaaa 60
 aagtttagagt taaaaaata gtaatacctt ccttttaggc cagttgcggt ggcttacgcc 120
 tgcaatccca gcactttggg aggccggcac nggtggataa tttgatgtca ggaggcttac 180
 cagcctnngc agctggngaa nccctatcan acctgannan nnnngnantn tntgctcatg 240
 nggtcttcaa ntnttttttn tcttntgctt ngntaccant ngncactgct ccatgttaaa 300

<210> 464
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 464
 tgtacttaac tgttgtgtga tgtgtgcttt tggtaggcat cactgtgccc aagtatttca 60
 tgttcattgt aaagaggaaa aatacagatt tctctataat gtcaccactt atttctaatt 120
 gccacttttc atcttgtgga aatgccatgt tttgattcag tcttctgaat ttgaacatta 180
 ttcagggttat ttccaattgc tgggaatc cttactgcta aaataaatc ttagcattgg 240
 aattgctagg tcaaagatta tgcattgctt ttaagggtt ttgaaatga ttgccagtct 300

<210> 465
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 465
 aatatcccca aataacatgt cttacatggt tggtaagact tactgtaccc tgtcctagaa 60
 gatagaagat gccctgccct tagaagacaa agagactgta gagctatgcc ttctaaatct 120
 taagccactc ttcagataat ggatcccttc atggtcagcc caaacatctc aagaactttt 180
 aatttgtacc gtttgtcttt ttttccattt atttaatacc acaaatcac tttattatta 240
 tgaagccaat atctacatct tctcaciaag atttctctta gaaatgcaga actggccggg 300

<210> 466
 <211> 300
 <212> DNA

<213> Homo sapiens

<400> 466

```

aggacatgaa aaggagtgaag agttaagaaa ccttagctgt agtgtttggg attaacactt      60
gggaagtcac gattgacaaa tagagaaata taaatttggt ttatatcagt tatatatata      120
tatttataac tgatataaaa caaattagat tttagacatta gaaacacata tacacatact      180
gtaatatgta ctttcttcat tctctttaac ctatattctg gttttaagtt tcctggagcc      240
cgtggagtaa tgggacagga aggctcagag ggtctcttta ctgatagtta agatacaaaa      300

```

<210> 467

<211> 279

<212> DNA

<213> Homo sapiens

<400> 467

```

cgggttggag cctggcgtag tcatggccgc cttccgcgac atagaggagg tgagccaggg      60
gctgctcagc ctgctgggag ccaaccgcgc ggaggcgag cagcgacggc tgctggggcg      120
ccacgagcag gtggtggagc ggctgctgga aacgcaagac ggtgccgaga agcagctgag      180
agagatcctc accatggaga aggaagtggc ccagagcctt ctcaatgcga aggagcaggt      240
gcaccaggga ggcgtggagc tgcagcagct ggaagctgg      279

```

<210> 468

<211> 300

<212> DNA

<213> Homo sapiens

<400> 468

```

aaacaagcga cactctagtg gtgatgggaa tagtaaatta aaaagtgagt agatggattt      60
ggacaacata aagcaacaaa atttgagatg gttgaatgag ggccggaggc catgatgaaa      120
agggcacttt ggaaagggtt ggggtggaag ggaaatattt ccgggtgggt gtgagctgtt      180
gggcttccag gtcagctctt ggccatgcag ccatgcctgc aggatgatca gaagtcacgg      240
cacctcatgg gaaggttaag actggagcaa agctttttcca aggtgagcat attcagcgtt      300

```

<210> 469

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(300)

<223> n = A,T,C or G

<400> 469

```

cttgatatca atggcctgcc atatggtctg tgtgccggct gcgtgaatct cagtaagagc      60
gccagcccag gcattaacgt ccctcccgcc acgaatagac caggcttggg ccagaatgag      120
aatctgagtg ccattgaggg gaaaggcaag gtggggggac tgaagacacg ctgctctagc      180
tgcaacgtta agtttgagtc tgaaagtgaac ctccagaacc acattcaaac catccacgan      240
agctnngtgc atacngcaac ngcanncngt tnaaaanccc caagtatncc antgcccaaa      300

```

<210> 470

<211> 292

<212> DNA

<213> Homo sapiens

<400> 470

```

gtgaaatgat ttgctgcact gcaagggagg tgagtgcagac caaggaacta caccacacaa      60
gatcccttcc aaggggtctaa gttgcttctc taatcagaaa cctctcaaac ctttgcgact      120
gtgcacatag gtcccatgat ggctttggca acatttacct gggaccaggg tgaacttcgt      180
accatgtatt gcatatgaga aaagaaaaga atgtttgtca aacaaaccac tatgttttat      240
tttattttat tttagtgttg ctggtagggtg tgtagtgagt tctcagtgtg tg                292

```

<210> 471

<211> 256

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(256)

<223> n = A,T,C or G

<400> 471

```

gctctttact tggatgaacac atattgtaag aatgtgaact gatgattgga aacattactt      60
ttgacaagtt cccatacttg aaatactaca aaaacatcac ctaacaagca gaacaacat      120
gaatgggtag acattgatta aacatttaaa aagaaacaaa aaaggagat ggcaaaaaa      180
aaaattgttt acatctgttt taattgattg ggtgattcat taatcattnn ttgcttataa      240
nnmntacntn ntcta                                256

```

<210> 472

<211> 300

<212> DNA

<213> Homo sapiens

<400> 472

```

cacaggccct tttgtgatgc gttccacgtg taggagatgt ggtggccgcg gctccatcat      60
catatcgccc tgtgtggtct gcaggggagc aggacaagcc aagcagaaaa agcgagtgt      120
gatccctgtg cctgcaggag tcgaggatgg ccagaccgtg aggatgcctg tgggaaaaag      180
ggaaattttc attacgttca ggggtgcagaa aagccctgtg ttccggaggg acggcgacaga      240
catccactcc gacctcttta tttctatagc ccaaggctct ctgactgact ccgtcccaga      300

```

<210> 473

<211> 300

<212> DNA

<213> Homo sapiens

<400> 473

```

gcagttttcc agctctaagc accggcaaaa gaggaagct ttggcactgc taatcctcct      60
ttctacacaa cctccctccc tcctgcccga gttcctcttc gcacttgctc tgtttgcct      120
ctcacctttc tctgtcaaaa tctgcacttg gatatgagcc taggatcagt catttgagc      180
ttaatttcag tgtgtgtgct tcctttgcct caaattgtgg caagaaaaat agtcgttct      240
cattaaagca gtatcagcta tccttgagca caagtgggag gttgggtatt ttttgagac      300

```

<210> 474

<211> 300

<212> DNA

<213> Homo sapiens

<400> 474

```

gcaccacaga ataagagttt gccgtgtaaa gacaatatcc ccattcgtca tgctcttatt      60
ttcccgtggg atatttgcac acaaatgcac gtctgttacc aaaatattgt gtaacacaga      120
cagaaaccac ctgtttttgt ctttccttgt ttcccttaat atttcatgaa ttgtctagca      180

```

```

aaaatggtag gatgcttctg tagttcacaa atgttacatt tcagagactt tagaggaaaa      240
attattttaa ataactgtca actgtttcat tgctttttaa atttttcacg tgcataaacc      300

```

```

<210> 475
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 475
cttaatgttt ttcaattgct caacgaactg tcagccctgt cagatatcat atatctggta      60
aaattacccc ttaggaatga gggggaaata aatacatact agatgaagga aaactaagag      120
agtttggtgc tagcagacct accctaaaag aaggctaaag aaagttcctg gctgggtgca      180
gtggctcacg actgtaatcc caacactttg ggagactgag gcctgccaaag ctgaggccag      240
gtggacagct tgaagcctgg agttcaagat aaccctgggc aataaaggga ggcctcattc      300

```

```

<210> 476
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 476
ccaagatatt cccaaatctc caaatTTaaa aatagctctt tcgcacacga tttctccac      60
agaatgtagt aatgtagata tgaaacattc aggtgaactt gttagaacta atggttctat      120
aaataaaaac tgacatcatt cataaagtta tttaaataaa ttttgtcact aaaataaatt      180
tatatgttac atcattgcta ataattgatt taactgtgag ttttcttttt gtaaaaaaga      240
attgagccaa gcccagggt ttttctaaca agctgacggg atacttggct ggggttctca      300

```

```

<210> 477
<211> 299
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(299)
<223> n = A,T,C or G

```

```

<400> 477
atccaattat ttctagaaat ccattgatt tcagggaact gaatttgata gccaggaggg      60
attccactgg cttcttaaag gacattattg gttttcattt tgttttgttt tgatttcaat      120
tgcaactcaa acaatgaatc ttccaaagat ggttaccctc actctacaaa agtgctaagt      180
taatattctt taaaataaat acaagcattt cttggactag ataccatcaa ctttaatttt      240
atttttctca cataaatggt aaccctaaac ttaatgaaaa tttccttntg ncacacagc      299

```

```

<210> 478
<211> 281
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(281)
<223> n = A,T,C or G

```

```

<400> 478
ttttatgaaa gccctgggac tatagattta gctgattaaa tttatagaaa aagtcctgtc      60

```

atataaactg gcaaagtctg ttcttaattt aattagccaa atcagactta acttccgtca	120
gaacatgtct tggttttaat tcagataaac acacnaacat acttctctgg cacagccttc	180
anaancatcn gcttttgntc tgttntcgtt cnnnnncgtg nncntntcctt cnnntncgct	240
gctcctcggn tngccgtntt gngncggnag gtngtcgctc g	281

<210> 479

<211> 300

<212> DNA

<213> Homo sapiens

<400> 479

acttgatcatg gagctggcac tgtggcgctc tcccgtcccg cggtaggtgc tgctgctgcc	60
gctgctgctg ggctgaacg caggagctgt cattgactgg cccacagagg agggcagggg	120
agtatgggat tatgtgacgg tccgcatgga tgcctacatg ttctggatgg ctctattatg	180
ccaccaactc ctgcaggaac ttctcacaac tgcctctggg catgtggctt aaggcggtga	240
caggcggttc tagcactgga tttggaaact ttgatgaaat tgacccctt gacagagatc	300

<210> 480

<211> 300

<212> DNA

<213> Homo sapiens

<400> 480

tttttagatct tctgaagtat atcagtggct ttaatgacaa atcaggccca ttttctcctt	60
tcttatcatt atgctgtatg tatagataga atatgtattt tagatgtttt attgttttagt	120
tattatttta gtcttatcct tctaaagttc agcaaagctt taggtaaatg gcgtggattt	180
ttgaaatcct gcattcagtc gctagctgac atttagaata caggaatagt agtttctctg	240
aaaacagtga cacttatgtt aaattcttgt gggttttaca aagttaggtg tcaacacaga	300

<210> 481

<211> 300

<212> DNA

<213> Homo sapiens

<400> 481

gataaacttc acttatcaat attacttata tttggctgca tgcctctgac acttcatctg	60
gcctcatgtg ttttccattt tttctttctg aacagactag cccatgcccc ctgcccacct	120
catctcacct ccacctcttc ccttctccat tcccctttgg ttcacctttt ggcagaagggt	180
actgggtggct cagcctgcat gccgtgtctt ctctctctgt gctggcatgt catggtggca	240
ctgttgtgat ctcttctctt tcctttttac taacagacgc agaccaaact ggagcatgcc	300

<210> 482

<211> 300

<212> DNA

<213> Homo sapiens

<400> 482

aagaagaaaa attacaagaa aacatctggt ttttgcattt ttgatgtgtt tgtgtgtgtg	60
tgctgtttaca gttttaactg atattaagtg aagatagatt aatgtcaccc aggtttttaca	120
aaatcaaaga aatagaaata attttaaaga cttttggtac ttgaattact ttgtgtttt	180
ctgggtcattt agtacattta tggaacctca gaagggttga gttgaacaga ggcaagttac	240
agcagttttt tgggtgggag aattcataag tcagcatgtg aatcttttga tctcatatat	300

<210> 483

<211> 287

<212> DNA

<213> Homo sapiens

<400> 483

caaacttctt	tgtcttttga	atagtgtgcc	tttaatagaa	cacatatagc	atagttctag	60
ggattagagt	cttctgactt	cattactatt	tttacagtaa	tttatatctt	ggtttcttca	120
attagaaaaa	aaaatcgggc	ctgatttttt	atttcattta	ctagctcagc	tgttctcaca	180
cctacctgct	gaattagaag	ggacaagtat	aatccatctt	cttttcttct	tccctcctt	240
ctgtaataat	gtttttctat	tttgaggggg	taattttttt	ttttttt		287

<210> 484

<211> 275

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(275)

<223> n = A,T,C or G

<400> 484

gcggagggga	aatggctgcc	gaaaacaagc	cggaagatga	tcattgggaac	agcaatagta	60
gtcatgtaaa	aatcttttta	ccgaaaaagc	tgcttgaatg	tctgccgaaa	tgttcaagtt	120
taccaaaaaga	gaggcacgcg	tggaacacta	atganagatt	atgatgcatt	tgctctnttn	180
ttttttntat	nnntntntn	tnnnntttt	ttntttntat	ntantnnttn	ntntntann	240
ntttttnnnn	ntttnttttn	ttngggactt	ctttt			275

<210> 485

<211> 286

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(286)

<223> n = A,T,C or G

<400> 485

ggtaagtgt	tagaacaata	tctaacacat	agtggttgcc	cagtaaatgt	gagctgtgtt	60
gattttgaga	ttataactac	aataataact	ttttcaaatt	gatacatatt	tagccgatatt	120
aatctaattt	tttaagatgg	aattattcta	ntntnnnnat	ttntttnttn	nnntnttttt	180
ttntnnntn	tnntnnnnnt	ttntntttt	ttntttntnt	ntttttntnt	ttntnttttt	240
ttntntttnt	tttttttttn	tnnnntttnt	ttntntntnt	ttttttt		286

<210> 486

<211> 300

<212> DNA

<213> Homo sapiens

<400> 486

gctgagagac	cccttgctga	tcagctctg	atggcaccag	tgactgtcca	tcattgcattc	60
ctttttattct	ctctctttta	gtatcgattt	ttaaaggcat	taagcactat	ggttccagag	120
tttcttgggg	aaaacttgca	gattcttatt	aattggttct	gcaataactta	aataaattat	180
tttacaatta	taagttttca	gattataaca	tttgcattaa	tttttactga	ttttccaaga	240
tacttcttac	atttactatt	tacgtacctt	tatgtacatt	ctctgtaaaa	atagacctct	300

<210> 487

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 487

gtggagtgtt	ggctttcatt	ttttcttggg	caagatggaa	aattctcttc	ctgttactcc	60
atcttggcca	gaaatctaaa	ttctcatata	aaccgatttt	gcttgttcag	ttgttatttt	120
tatttgcaac	taaaagcaat	gtcatgcatg	atgacttgaa	gaaatgtctg	aaacttttga	180
aaattcctta	tttggcaaga	aaatctactt	atttatTTaa	atagctttcg	aacataccct	240
tcctcactc	ataattgagg	ggtaggagca	caccacagtt	tattagtaaa	agttatttta	300

<210> 488
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 488

agacatttac	agccatttat	ccagccatca	taattttatt	gagtaactat	tttgtgtgag	60
gcactgtact	ggatgctttg	gcaacagaga	taagcaaggc	aaccctgtg	aataaggcac	120
tcttggtcta	cacacagtgg	gagaaacata	gaaattcatc	tcttctgagc	ggagcctgtg	180
ggaaccacga	ggatggacac	ccagcgtgga	ctgaggaatc	atgggccata	acaggaggca	240
tctggagaga	tctcttgggt	aaagaatagt	gagggctgga	aggatattcc	aggcagtggg	300

<210> 489
 <211> 264
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(264)
 <223> n = A,T,C or G

<400> 489

caggaataat	gctgacatac	atacatatat	atatatatat	gaagagagag	agagagtcac	60
acacagacag	acagacacac	ggagtctcgc	tgtgtctccn	tgnetggagt	gnatnnnctt	120
ntaggnentn	ngtntttcct	tnengggtn	ctntctnaga	ganagagaga	gtcacacaca	180
gacagacnga	cacacggagt	ctcnetgtgn	ngcccaggnt	ngngtcttga	ngnnnnnttt	240
tannnnnttt	gnntntntgn	ttct				264

<210> 490
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 490

gaaaagtgag	tctgtccaga	gatacttata	gacggtagtt	gattagagac	gagaaacgaa	60
ggagggtgaag	ccgggggtttc	tggcatgggg	aaccagatgg	gtgggtgtgc	cattcactga	120
aatagggagc	actcaatgag	cagattttct	gagagaggtc	aggaagcagg	atagtgatgt	180
gatgggtgtg	gtggagacct	gcaagtctgt	cggtgcacta	gccttcactt	cagtggggag	240
aggcttctac	cactttggga	accatcagtt	tgggattgat	agttaacca	ttggagtaga	300

<210> 491
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 491
tagtgatggg gaactgacta cctgaaaaca gctcactcaa ttgtttaaca cttccagttg 60
ttggaaagt cttaagcata tcaacagcta accattatta agcacatatt gtgtgctggg 120
tattgtgtta agtgcttgta tgtgttttcc cttaaatact ctctgtaatc ccttgaggcc 180
aggtttagtat ctccattttt tagagcagga aacagagatg tacagtttct tgttcaggct 240
cactcaggtg gtggtggaac aggaatggac cccatgcagt tggcctgcag cctgtgctcc 300

<210> 492
<211> 288
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(288)
<223> n = A,T,C or G

<400> 492
gatcaatata cagttgtcct cagctgggtc caggccccc cccacccctt accaaaaatct 60
gtccatactg aagtcgccga gtttagccctg caaagaccct acagaacctg cacttaggaa 120
aaggcagccc tctgaatacc agggattcga gtccctgacc atggatatgt gggccacgt 180
ggttcaaaca agtttttttt tgggacgggtg tctcactgtt gcccaggctc nnacnnncta 240
ggtcnccnct tnnnnntcn ncncttcac cnnctcttc gtcccgtc 288

<210> 493
<211> 300
<212> DNA
<213> Homo sapiens

<400> 493
gtgcctctcg cctctccaat cctgatcccc cattcccagc caaggagagg ttttcagccc 60
ttggtcaccc tgatgacctg cagctttcca ggccctaggc tgagaagttt aagtcacgtg 120
tctcattaat cctcataata atctagggag gccgggcacg gtggctcaca ccttgtaatc 180
ccagcacttt gggaggctga ggcaggtgga tcacttgagt tagaagtttg agaccagcct 240
ggccaacatg gtgaagcccc gtctttacta aaaatacaaa aattagctgg gcgtggtggc 300

<210> 494
<211> 262
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(262)
<223> n = A,T,C or G

<400> 494
gattgatgta gggttttaaaa aaggcatttg tatgttgta gttacatat ggggctagg 60
aatttcattg cttaaaaaga tgcgcctagg ctccctcttg gtggctggat ttctttttct 120
tcgcccgtgg tggccatggt tcttaatagg gccaccgga tcatgggttc ttcttttttt 180
tttttttnaa aaggnannnn ccccttgac ccnngnnnga angccagggc cccaaatntg 240
gnntaannga accntnnnn nc 262

<210> 495
<211> 300
<212> DNA

<213> Homo sapiens

<400> 495

ttaaagagcc atgacaacaa aatgcagccc ttgattctag tctggattct ggacttgaag	60
ggaaacattt ttcttatctt ttgctataag ggacattagt gggacacttg gcaaaattta	120
aattaactgt agattagata atactattgt attgttaatt ttctggcttt tattctactt	180
tgattatatt ataaaagtcc ttgttggttag gaaatagaca ctaattattt tgggttaaag	240
gaatatcatg tgaaattcac tttcaaacag ttccaaaaaa cacagtata tatatgtata	300

<210> 496

<211> 264

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(264)

<223> n = A,T,C or G

<400> 496

ggacagtggg tcctgaaggc ctgtggccta ggagaaggag acactgaggt gtttcctacc	60
caacatgtgg tccgtgctct ccaaaactatc tttagctga acgtccaggc ctttgaggga	120
ggggccatgg gggctgtgaa tgggatgcan ccctatggng tccctgactn attnanngtn	180
nntnctnant aantcttgng ttttcttgtt tttntntnt tttntntnt tttntnttan	240
ttntntnttt ttnttttttn nnnt	264

<210> 497

<211> 300

<212> DNA

<213> Homo sapiens

<400> 497

atcatacca gctgtgttg tttttaaca atatataata aaagccaaca tttattcagc	60
actgaagtat tttatacaca ttagctcact taatttttac aacaaacctg tgtgggaagt	120
actgatataa ttaatcgata ttttcagata agaaaatagc agctgaaaaa gtacaaatac	180
tttctcaaaa gacagacagg gcttaaatca ggcctttctg atgtagacca tgctcttcac	240
taccacagag ttccatgcta ctttctctcc ctctccctcc tctcctgtcc ctgctacaca	300

<210> 498

<211> 300

<212> DNA

<213> Homo sapiens

<400> 498

gcaacgaaat aattttaag tggatctggg ttggtagtgc ttatgggagt taggcaagga	60
aaaatgcaga ttctctttag aatatcttca cctagggtccc aaaggattct catagataga	120
tttccaacaa atatgagggt ataataaaaa atacaaatca catatagaag tatggcacca	180
tgaatgagaa aggaaaaaac tgtcagaaca agaccctcaa gactttactg gaattaacaa	240
gcaatatgta aagtaaagtag aaataagcta ttcataataa gaataatgta taagagacta	300

<210> 499

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(300)
 <223> n = A,T,C or G

<400> 499
 caggggtgag ccaccacacc aggccaaagca ttttctttca aatacaagga atatttttct 60
 gattttaaaaa aaaaaaacga actttttttc tgataatcaa agggaaaagt gcaaagatga 120
 aaataaaaagt catctgtaat ctcaggtaat accaggtaat taacattttg ctggatttct 180
 taccantgaa aatgaangcn tatttttaag gtggntgcng ncntnnttnc nngttnntnn 240
 ntnggnttng ttancnnna gnatgtnttt cntnttannc ttgtntnnnn ttagtctctt 300

<210> 500
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 500
 tggctgtgga tgtaacaac atgttgcac tgtacgccag tatgctgtac gaacgccgga 60
 tactcatcat ttgcagcaaa ctcagcactc tgactgcctg catccacggg tctgcggcga 120
 tgctctaccc catgtactgg cagcacgtgt acatccccgt gctgccgccg catctgctgg 180
 actactgctg tgctcccatg ccctacctca taggaatcca tttaagtta atggagaaag 240
 tcagaaacat ggccctggat gatgtcgtga tectgaatgt ggacaccaac accctggaag 300

<210> 501
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 501
 aaaagaaaac gagaccaagt aataaagcag aaggaagaag aagcacagaa gaagaaatct 60
 gacttggaag tagagctatt aaaacggcag cagaagttgg agcagcttga acttgagaag 120
 cagaaattgc aagaagagca agaaaatgcc cccgagtttg tgaagggtgaa aggcaatctc 180
 aggagaacag gccaaagaag cgcccaagcc caggagtcct aggctgaggc tgcaccaaga 240
 cctcgtgtgt caccaccacag agctgtctgt ggggtgccttc tcaatctcag ggcaaaagcc 300

<210> 502
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 502
 gccagctcga gtagacgaag ttcctgatgg agctgtaaag ccaccacaa acaaactacc 60
 cattttcttt ttggaaactc atgagactgc ttttttagga ccaaaggata tatttcctta 120
 ctcagaaaat aaggaaaagt atggcaaacc aaataaaaga aaaggtttta atgaaggttt 180
 atgggagata gataacaatc caaaagtga attttcaagt caacaggcag caactaaaca 240
 atcaaatgca tcatctgatg ttgaagtga agaaaaggaa actagtgttt caaaggaaga 300

<210> 503
 <211> 293
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(293)
 <223> n = A,T,C or G

<400> 503
 tcaggctggg agggacttca gttagcatgg tgggggagaa ccagtaccac ataccagta 60
 ggtaataagg tgtccagcag aggatgaagg tcagcaagat aagcagggcc agtctcaggg 120
 cccggagacg aacacgggtga caattgtcaa aggagcgggg gagggcaa ataccagcag 180
 gggctaggaa tttagaatat atactgtact tcacacactc actttctgat ctgagtatag 240
 ggtgaattga tggaggggtca ttcctagtgn gannganntn gcctcctaca atg 293

<210> 504
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 504
 ggaaaaggag atcaatggct caaaggctcac ctgtcgggga ctactggagt attttaaggc 60
 atatattaaa atttatcaag gagaagatct gcctcaccac aagtccatgc ttcaggccac 120
 tgtgaagcc aacaacttag cagctgcagc ctctgccaa gacatttatt ataacaacat 180
 ggaagaggtt tgtgggggag agaaacctta tttgtctcca gacattctag aggagaagca 240
 ctgtgaattc aaacaacttg ctctggacca ttttaagaag accaagaaga tgggtgggaa 300

<210> 505
 <211> 284
 <212> DNA
 <213> Homo sapiens

<400> 505
 gaccgactga agctgctggg gctgtacagt ggagaggatg atgagctgct acagcgggca 60
 gctgcggggg gcttggecat gcttacctcc atgcggccca cgctctgcag ccgcattccc 120
 caagtgaacca cacactggct ggagatcctg caggccctgc ttctgagctc caaccaggag 180
 ctgcagcacc aggggtgctgt ggtgggtgctg aacatgggtg aggcctcgag ggagattgcc 240
 agcaccctga tggagagtga gatgatggag atcttgca gcta 284

<210> 506
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 506
 aaagtgaata tcgagttggg aacgccaaaga ataccagaat tctggaaatc catgaagcag 60
 cagcataagt gggttgcctc tttctccagc agcaacatag tgaaatctta accctgaatc 120
 cttgtattct tggcgttacc aactgagaga atttaaaagt gaatatcgag ttgtagcact 180
 ggatttgaga gggttatggag aaacagatgc tccattcat cgacagaatt ataaattgga 240
 ttgtctaatt acagatataa aggatatttt agattcttta gggtagca aatgtgttct 300

<210> 507
 <211> 298
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (298)
 <223> n = A,T,C or G

<400> 507
 gctgctcaag gattgcaggg atgaggcaag tggaaacagcc tcggaacctc cgaaaatggg 60
 cacgctccag gtcccagttt ctatggcaac cataccggca aattgggctc cgcaatgggt 120

```

tctcctggaa aaaccgtgat tttggttacc gcngacgtct ntancnntng gnnngnctac   180
nnnnttntaa annntttata tgngaatatg tattgcatat ntntngncan cacttantnc   240
tttacattnt ctatgatgcn nngacctttg ttangttttt tgncntntga cccttttc   298

```

```

<210> 508
<211> 299
<212> DNA
<213> Homo sapiens

```

```

<400> 508
gcggtctttt tccctcgtga ctcggttget cctggcgccg cgacggggcc tcacgggtccg   60
cagtcgccgac gaacccctgc cgggtggtgcg cattccagaa gagctcccga gacatacttc   120
tctgcacaga catagcctct cggggccttg acagcactgg tgtggagctg gttgtcaatt   180
atgatttccc cccaacgctg caagattaca tccacagagc agggagagtg ggccgtgtgg   240
ggagcgaggt gccaggcacc gtcatcagtt ttgtgacca tcctgggatg tgagcctgg   298

```

```

<210> 509
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

```

```

<400> 509
ggatcttctt caatcagcaa taacagggtg ctctatagaa tggagggtag aagggatgtg   60
ggtgacttac tcagttttta gttaaagagg accctcttct gttagcatgg tgaagtgcag   120
tttctttaat aaattgtgca tgggtgggggt gggattannt ttncgtgtngt ttacttcagn   180
cttgcttnna cncctantna atcctnatt ntannntnnt ctctctttct ncctnctct   240
cttntttcnn tgntntnnn ntncctntn ncctgncct tnnnaanatt ctntcctctt   300

```

```

<210> 510
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 510
gtggagggat gcactatttc acaagggtcca agatttggtt tcagaagatg aaaatgaaaa   60
taaaatagag tttaggaaga aaggaggatt tgaaggggga ggattccttg gaagaaagaa   120
agttccctat ctggcatcat caccaagtac ttccagagtg ctgggattac aggcattgagc   180
caccacaccc gacacttaaa gggcatttct tatttatcct tgtttttagtc acaccatagt   240
ggaatgagta atcagtttta gaagctgcaa atttaccatt ctctcaaaga tgctagtgtg   300

```

```

<210> 511
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 511
aaacaccaag aatggcacct gtttggataa ataaggctat gtttttgaaa gtaacctttc   60
cacaagtcaa taacagaagc tatggtgaaa tgtaaaaatt cacaattcta ctttgtttca   120
ctgagtgcgc aatcaacgat tcatacagtt gagatgaatg tgacaaaact ctttatagat   180
aaatatatat gcctaagttt atctatatat atatgtcttt gtgtgtatat acatacacag   240
atatatgcaa agacataaat aatcttcctt acaaaacatc aatagatcat tttcacaggg   300

```

<210> 512
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 512
 ccagcctgcg tttcaaccaa gaccaaagct gcttttgctg cgccatggag acagggtgtgc 60
 gcatctacaa cgtggagccc ttgatggaga aggggcatct ggtgctgac tgggacgatg 120
 cccgggaggg caaggactcc aaggagaagc tgggtgctga gttcaccttc accaagccag 180
 tgctttctgt gcgcatgcgc catgacaaga tcgtgatcgt gctgaagaac cgcatctatg 240
 tgtactcctt ccccgacaat ccccgaaagc tgtttgagtt tgatacccg gacaacccca 300

<210> 513
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 513
 gaagctttca tgtcctgcat tgtggaatcg ggtgtgtcac cctctcaaca cattgatatg 60
 ttcaccaacc aggatgcttc accatgcttc ggtatctaaa gtttttattg gggtttcatt 120
 atatattgat aattgattga atcactggcc aagtgattga actaaatctc caccctaccc 180
 cttactctgg gtgtcaggct gactcaaagc accagctatg taatcacatg gttgttctcg 240
 ctggttaactg gcctccatct tgggtcatct catcttcag cccaaattca ggtgtgatcc 300

<210> 514
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (300)
 <223> n = A,T,C or G

<400> 514
 gagaacatct ttgagtaaga agatgcagtg tttgaacctg aggaaaagtt aaagcgtaga 60
 aaatattgtc ttgccgaagg attttgcagt cctctgtcag taacttccat tgattacgca 120
 gacatattca ggtaaacctt aatcattaag aaaaaaatta tcaatgtaga aagtaattcc 180
 cttttttctc tctgagatat acctcaatca cacacttccc cacccttact tgaaacagac 240
 ctcttcactt gtgttttttt ttcttgaggt ggagtcttcc cctgtntgcc caggctggag 300

<210> 515
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 515
 tagaaatgag atgactttat gtctaagatt tgcattaaaa tactataatc atttgaagaa 60
 agaataaagt aaatatgcc aattttgtat tataattcaa tctgtatgac agttatgtga 120
 gttttttttt gttttgtttt atgcttgtgt gaagattttt gtagttaagc tttttttaaa 180
 aaaaagtcaa ctgagttact tacgtgatga aattagaaca catacttctt acaagcatat 240
 tctctcctat cccctctctc atttcagttg gcaccataat gccatttttg cctaaccata 300

<210> 516
 <211> 300
 <212> DNA

<213> Homo sapiens

<400> 516

agcaaatgtg	ggaactgcc	aaccaaactg	cacgacatcg	acggcgctacc	tcacctcatc	60
ctcatcgctt	cccagacat	cgcggctggg	gaggagctcc	tgtatgacta	tggggaccgc	120
agcaaggctt	ccattgaagc	ccaccctggg	ctgaagcatt	aaccggtggg	ccccgtgccc	180
tccccgcccc	actttccctt	cttcaaagga	caaagtggcc	tcaaaggga	ttgaattttt	240
tttttacaca	cttaatctta	gcggattact	tcagatgttt	ttaaaaagta	tattaagatg	300

<210> 517

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(300)

<223> n = A,T,C or G

<400> 517

caaatgtggg	aactgccaaa	ccaaactgca	cgacatcgac	ggcgctacctc	acctcatcct	60
catcgctctc	cgagacatcg	cggtggggga	ggagctcctg	tatgactatg	gggaccgcag	120
caaggcttcc	attgaagccc	accgtggct	gaagcattaa	cgggtgggccc	ccgtgccctc	180
ccccccccc	tttcccttct	tcaaaggaca	aagtgccctc	aaagggaatt	gaattttttt	240
tttacacact	taatcttagc	ggattacttc	anatgttttt	aaaaagtata	ttaagatgcc	300

<210> 518

<211> 300

<212> DNA

<213> Homo sapiens

<400> 518

ggcatgagcc	accatgcctg	gccccaaaact	tcttaaaaag	gatgatgatg	gtggtggtga	60
taatatgtgt	atcatcatta	tctaacacat	agtgccttact	ttctgccagt	tgttggttctc	120
agagctttac	atcattaatt	catttaagct	ttgctattga	cctcctcacg	gatcttaaaag	180
actttgacct	tacaacctca	tgaaataaat	cctactgatg	cgattgtaca	gatgaggaaa	240
ctgagctaaa	agaggcaca	cagcttaaac	ccagggttaca	cagctaatac	gtgatggaac	300

<210> 519

<211> 300

<212> DNA

<213> Homo sapiens

<400> 519

cttgaatccc	ttgaccttac	tgatgagaaa	aaggtcctcg	agtgggctca	ggagaagcgt	60
aagctgagcg	tggtgcatat	tcacggagtc	tacaccaacc	ctagtggcat	tgctcctcat	120
ccggctggat	atcagaacgt	gctcaggaa	actgaagtca	tgagagaaat	tcagaaactc	180
tacgaaaaca	agtcatttct	tttccctggc	tgtggctgga	ctgtggatga	caccactttc	240
caggcccttt	tcttggaggc	tgtcaagcat	aaatctgacc	tagaacattt	catgctgggt	300

<210> 520

<211> 300

<212> DNA

<213> Homo sapiens

<400> 520

```

gttcagtggg caatacaata gtccaccaag agactgggaa tgattagaag tgaaattggg      60
ccctccttac caaggagggg cagatgatct ccattgcaca gggcgattag attctggagc      120
tgaggtgggg actgcaggag gccacctagt ctggtagggt tcaacccaag ctgtgtacat      180
tagaattccc ttgggagcgt gcaggaaata cagatgcccc tgccacattc cagaccaact      240
gaagctgaat ctccagagta gggcctgtat ggtcatataa gctccacagg tgatctgcag      300

```

```

<210> 521
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 521
aattgatttg ctacatgctt aaaatgatag aggttgctca gcatttttgg agtacaaggg      60
ggtcagagag acatgtgatg aaaattacag ggcgagtaca gagatttaga agggaaacggg      120
ttttaatgcg agtatctatg acagagtctt gctctgttgc ccatgctgga gtgtagcggg      180
gctcgtgcca gcctcacatt caaaggctca agcaagcctt ccttggcctt tgaagtagct      240
gggaccacag gctcatgcca ccatccctgg gtcattttta aattttttgt agagaggggc      300

```

```

<210> 522
<211> 258
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(258)
<223> n = A,T,C or G

```

```

<400> 522
cagagcttag acatccaaaa ctaatcaatg ctgaggtggc taaataccta gccttttaca      60
tgtaaacctg tctgcaaaat tagctttttt aaaaaaaaaa aaaattgggg gggttatnca      120
tacattgaca acncntngat tnnngaaaat tntntnttn ngcnangcga ttncctgann      180
agaatggaac tgtagcnntn aagngctacn ngaaanaatt tnantanncn nanantntn      240
tnntntnncn nnanantt                                     258

```

```

<210> 523
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 523
gttaactgca ctctgttcaa ggagggttg aattggagac acagagcagt catcgttgat      60
ggcaaatattg aaatctagcc aggcacacat ttccagttcc ttcacaggg cccagtccta      120
ctcgcagaat tgttctccac agtttgactt ggcctctggt gctttcagtt ttttcttctg      180
agtctttttc cttttccatt aaaaaattag cagagttttg cagtgattgg ctgtcttggc      240
ctgcattcta cttgtttagt gccagttta tgttctttct acttcagttc aaggtgttgt      300

```

```

<210> 524
<211> 291
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(291)
<223> n = A,T,C or G

```

<400> 524

```

gccagatccc agattcaaca gcagaaacgc ttgttgaatg gcttcagagt caaatgacaa    60
atggacacct accagggaac ggagatgtgt atcaagaaaag gctggcacgt ttagaaaatg    120
ataaagaatc ccttgttctt caggtaagtg tnttnacnta cnnntttnt nctnnntgnn    180
atatnttctt tgatttcttt ttttnntttn tctnttgctt tatntgnttt tattnttttt    240
tctnngagtt ttntnttttn tctnanntct gnnttanntn tnntttctct t          291

```

<210> 525

<211> 300

<212> DNA

<213> Homo sapiens

<400> 525

```

taaagacaaa aagatcttca tgattgtcat tccactccag gtcctggcaa atgtagccta    60
catcatcata gagtccaccg aggagggcac gactgaatat ggcttggtga aggactctct    120
atttctggtc gacctgttgt gttgtggtgc catcctcttc ccagtgggtg ggtcaatcag    180
acatttacaa gaagcatcag caacagatgg aaaagctgct attaaacttag caaagctgaa    240
acttttcaga cattattacg tcttgattgt gtgttacata tacttcacta ggatcattgc    300

```

<210> 526

<211> 285

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (285)

<223> n = A,T,C or G

<400> 526

```

tcagaatgaa acagaacaag tccattttta ttttctttca ctgcattgca tatggtactc    60
aagttgtggt gtgtatagct aataggatgc cattcacatt ttatacatct tttttttttt    120
ttngnaangg nnnnccnnt tngccccng gncggnnggc cngggccna tnnnggnnnn    180
nnggaatncc ccccncccg gttnangcnn ttnnttngcc nnaaccccc nnngannngg    240
gaccannngn ccccnccnnt acccngggn aanttttttg ttttt          285

```

<210> 527

<211> 300

<212> DNA

<213> Homo sapiens

<400> 527

```

gtccatgcta atttctagat tgatgtttta gccataaaaa tgcagtatgt aataatattt    60
tattttccaa attatggaaa gcttcagaaa tagaaatatt caatataatt agtactctct    120
aatctttttt ctaggttgaa aaatctttgt tttgcttttag gttagattat gttgaaacac    180
atctgtgttt cagatgtggt cagagctgag gtctcagctg aggctccact gaagcaggat    240
tcacttccaa aataacagag ttgttgccaa tattcagttc gtagcaaaact actggaacaa    300

```

<210> 528

<211> 300

<212> DNA

<213> Homo sapiens

<400> 528

```

aataaataaa tgggacctgg ttaaatagct tctctacagc aaaagaaata attgtcaaaa    60
taaacagaca accacagaa cgggagaaga taagacttgt aaactgtgca tgtgacaaag    120

```

```

aactagtatt cagaagctac agggaactca aatcagcaag aaaaataaat aatccccacca 180
aaaagtgggc aaatgacatg aatagacatt tctcaaaaga agatatgcaa atggtcgaga 240
aacatatgaa aaaatgttca acatccctaa tcattagaga aatgcaaatt aaaaccacag 300

```

```

<210> 529
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 529
gggtgagata ccacgcatga aaccacgtg gactgcaact caaagtgtgg tccttgggcc 60
agcagcattt gtcagaaagg cagaatctca cagggccagg actagggtgg cacaggtgag 120
gcatcccggg cacagcattt aaggaggccc tctgtgctag ggtcgtacag ggcacctcct 180
cggctcacc taatcccagc tctgaggtcc acccagacct ttctgagtca gagtctgcct 240
tttaacaaga ctctcagcga tatgtatgcc cagaggagtg taagaagatc tggccttaga 300

```

```

<210> 530
<211> 291
<212> DNA
<213> Homo sapiens

```

```

<400> 530
gaggaacaag aagcaccact acaggagct cccagttgag gtgcgacagg cactcggcca 60
agtccctgat ggcttcgtcc agtacttcac aaaccgcttc ccacggctgc tcctccacac 120
gcaccgagcc atgaggagct gcgcctctga gagcctcttc ctgccctact acccgccaga 180
ctcagaggcc aggaggccat gccctggggc cacaggaggg tgagggtggg tggatgccac 240
acagatggtc tccgtgctgg ctactgaat agctgagcct gtggctggcc t 291

```

```

<210> 531
<211> 278
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(278)
<223> n = A,T,C or G

```

```

<400> 531
cttaaagatg cataacaaag tcaggggatt cattctatat gatâtccaat gagtâtggca 60
ttggcataag gctagacaaa cagggcagga cagagggagt gaatgaacag acacacatat 120
atttggacac ttgaatgtgg ataaaagagg caatgtagga aggaagggaa aagatagtct 180
tttcaataga aggaactgga tcanagagat attcaatgga ananaagaac gaaattttac 240
ctntntntna nnacntangn aagtnaatta ttacttac 278

```

```

<210> 532
<211> 258
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(258)
<223> n = A,T,C or G

```

```

<400> 532

```



```

caaaacttaaa ataaaatccc cactatgcac attttatttc tccaacatac tcggattcta      60
ccctagcatc acacacacac acacacacac agtattttga cctagggatt gactatgtaa      120
cttaattttg agacaattga catataaaaa tattgagatt tccaactcat gaacataata      180
tatctctcta cttatgtcgt gtttgatttc ttttagcaat gtttgagtg tacagggttt      240
acnccttttg gnaggntt                                258

```

```

<210> 533
<211> 288
<212> DNA
<213> Homo sapiens

```

```

<400> 533
tggaagaa aataaattg gcagctcact cttctgtcat ttgatcttct gtcatttgct      60
tttctgagtt ttggccctcc tgtacaatct atctggtcgg gtttactttt ctccatcttc      120
aagcagggtg tgtcttcaag catgcatgtc tgtgttttga ttcggaattg atagttataa      180
tagaagcatg agctgctggg aaattatacc tcctgatttg tgtggtttta tttgttcac      240
ttgcagggtt gagtagtttt tgggtggatgt gttgggagat atgaacgc      288

```

```

<210> 534
<211> 223
<212> DNA
<213> Homo sapiens

```

```

<400> 534
aagacacata gtggatctgt atggcgtgtg acatgggccc atcctgaatt tgggcagggt      60
ttggcttctt gttcttttga ccgaacagct gctgtatggg aagaaatagt aggagaatca      120
aatgataaac tgcgaggaca gagccactgg gttaaaagga caactctggt ggatagcaga      180
acatctgtta ctgatgtgaa gtttgcctcc aagcacatgg gtc      223

```

```

<210> 535
<211> 265
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(265)
<223> n = A,T,C or G

```

```

<400> 535
gccacatctg ccagagcctg gactctgcga aggccgggac ccggttcccc ggcccacagt      60
gggggtgtgc aaaccgna gaactgttta agatntnttt nnttcgctgt tntgnttttt      120
nnccgagct tatctnannt ntatanttg cnatntntnn nntctctgtn tnanatttan      180
ntatcttttt cntctcnnn tntttntnc tcnantnttt atnttttttn tcttnatnnt      240
ttctaantgc ctntntcant ttntt                                265

```

```

<210> 536
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

```

<400> 536

cttttttcta	ttttacgct	ctgctgtcca	tgacatattt	ctaacacctt	tatgattatt	60
gttcctgctt	gtaaaagggc	tgatatttac	atgagtgcaa	ggcaggaaga	aaaggtagct	120
gtgccagcca	cttctggcaa	gcagttctcc	caccttagcc	tccaagtag	ctgagaccat	180
aggcatgaga	tttctcaaaa	ttcctcccag	caggctttca	cttagtttca	ttgttgagaa	240
ctgtgacagg	tccatctcta	gctgcaaagg	aggctgagaa	agngaacaca	gcagcctcct	300

<210> 537

<211> 259

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(259)

<223> n = A,T,C or G

<400> 537

catttatata	tatactatat	atttcatata	tgtatttcag	gaatttatag	accacacatt	60
catatataga	tacagatata	tatatgngng	tgtgngnata	tacncatann	tantnaagcg	120
tatatncngt	agtatacatn	atncacncat	ananacgtat	atatgnaaac	gnatatanac	180
ncgtanata	atttatatgtt	atatntacng	tatntacgta	tacnncatat	gcacntgnta	240
tncgtnntntn	tgntntntnt					259

<210> 538

<211> 300

<212> DNA

<213> Homo sapiens

<400> 538

gcctgctgag	cgatgatgact	tcatacctggg	gattctcaac	tgcgctcttca	ttgtgtacta	60
cctgttggag	atgctgctca	aggctcttgc	cctgggcctg	cgagggtacc	tgctctaccc	120
cagcaacgtg	tttgacgggc	tcctcaccgt	tgtcctgctg	gttttggaga	tctcaactct	180
ggctgtgtac	cgattgccac	acccaggctg	gaggccggag	atgggtgggc	tgtgtgcgct	240
gtgggacatg	acccgcatgc	tgaacatgct	catcgtgttc	cgcttctctgc	gtatcatccc	300

<210> 539

<211> 300

<212> DNA

<213> Homo sapiens

<400> 539

gtggcaagt	ggttatatgg	aaagtctctg	ttcactcact	tgggtgaata	acagtaaata	60
cctttctatt	gttttcactt	tacattagcg	catgagtatt	tgtgcctgtg	gctgcagttt	120
gtgttagttt	cctaccccag	gtatctcctg	cagcatgcag	cttcagtcct	accagaccct	180
caaaacttaa	aagctaacac	tattactagg	gaggattttg	caggaaaatg	gagaaagggt	240
tacacacaaa	aaagggttaa	ctactctatg	catgtttctg	caatgtgtta	tctcaagaat	300

<210> 540

<211> 300

<212> DNA

<213> Homo sapiens

<400> 540

ggttcacact	ccatttccca	gtttctgttg	acccccacct	tccagtgttg	gacaggatgg	60
aggggggaca	cttgcttagg	ggctctcctg	ggccccacac	cagtgtccac	cccaaatctg	120

```

gtcgtctcct cccccatgc acagcacaag ctaagggctg ccctctgccc acacgctgcg      180
ttcactgcca atgctgtact cacctccatc accctccaac tttggggccc atgtcttcct      240
tgggccaagg tctcatgggg gctagggcca agttgggggc ccaggaggcg gggagggaag      300

```

```

<210> 541
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 541
gtccattctt ataaaggga cttctagcaa acctgcccag ccctttccct ggagggaac      60
attatctgta ttatcctaaa gagcaaacaa atctgctctt gggtccaaat agagacactt     120
tatctttcaa gacaatgcct atgcaaatat cttagaaaag atagtctagg agaacaagc      180
tgccacaaga actgcaaaaa tgcaaacagc ctataaagaa ttgtctccca acatattgat     240
cttttatatt attctcttta tgcgttgcca taaaaagttg agagactgca atcctgcacc     300

```

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<210> 542
<211> 297
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(297)
<223> n = A,T,C or G

```

```

<400> 542
gtgagcctag ggacccattt ctccctcttt gacagggaca tcagtggagc cttctcagac      60
ccacaggggt ccttggggaa ttttgacatg gttatttaag gaaccttgcc tagaagtcct     120
aacttgcaat tccccatcga cggaaggctt tgactccaa gatgattata aaggaatatt     180
ggattcctct gccaatgacc gtggaggagt accgcacgc catctgtaca tgatacagaa     240
gaagagccgt aacgagacat atggcgaagg cagngngtg gagatcctgn ataaccg       297

```

```

<210> 543
<211> 271
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(271)
<223> n = A,T,C or G

```

```

<400> 543
aggacgaccg ctacttgca cttctggaag gcacccggga ctatgagtgg ctggaagcac      60
tgcttatgaa tcagacgggt atgtcaaaaa accttttctg gctcaggcgc agacccaag      120
aagctgctcg ggaagccctg tgcatggaca ggtacatgtt gctgcacca gactttctcc     180
gatacntnaa nancagnntt ttgaggcnta ttancctgga nggtanncat catcnnngana     240
tannttcena tttctgangt cctnactgcg g                                     271

```

```

<210> 544
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 544

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atggaattta cttttcttct agactttctt ttgcaatgga acgttgcttt gtgtgtgatt	60
tggtggaata acaaccaata cacaatgagc agtctaattgt gtagtcattt ggtgctctgt	120
gttcaagtgt gaaatctcta tcagtgccca atagtaagcc agggctctgct tttcatatag	180
aaaatggttg ctgacagaag aagatgtggc cgtactccag ggtggttctc tatggaggct	240
tgtgagagtc tctatacagc atccatgact gccaccggca cttccaatac cattagttat	300

<210> 545

<211> 300

<212> DNA

<213> Homo sapiens

<400> 545

ctccatcaag gcatttctct tcattggata ttgcagtctg cacaattgag agagccaatg	60
gtctgatcaa tcgcctcata gagggaaata agatggatct gttaggaaatg gtggttggtg	120
atgaattaca tatgctggga gactctcacc gagggatatct gctggaactt ttgctgacca	180
agatttgcta tattactcgg aaatcagcat cttgtcaggc agatctagcc agttctctgt	240
ctaagtctgt gcaaatcggt gggatgagtg ctacccttcc taatttgag cttgtggctt	300

<210> 546

<211> 300

<212> DNA

<213> Homo sapiens

<400> 546

cagaaatcag catgcatgaa ttaatcgaaa tacaatgcat attaaacaat gcaattacta	60
tagtctaaaat caccaaactg ataaccata caaaagtagc tcttacaact ttttttgaga	120
atatttcccc taaaaaattc cagtgatcat cccaacctac aaaactagat tattttacta	180
gtatcatctt ctctttaccc ctcttctccc caccaacact cctccaaca cacacacact	240
tctccttaag agaaacggct tcctcaagaa attatctgat gggtcagtag cagttggagt	300

<210> 547

<211> 300

<212> DNA

<213> Homo sapiens

<400> 547

aagaaggtgg gggcctgcca cggccccagg accccactgc tgggcaccga ccagtgtgcc	60
ctgggcccga gcttctggtg caggagccag gaggcgcga agctgtgcaa cgctgtgcaa	120
cactgccaga agcatgtatg gaaagagatg cacctccacg ctggggaaca cgcgtgaccg	180
tggctgcccag agaccagag cctgctagcg aggccatga ggtgggtgct ttccccatcc	240
ccatttcaca aatgaaaaac tgaagctctg aggaggagg ctgggaagga gcagagctga	300

<210> 548

<211> 293

<212> DNA

<213> Homo sapiens

<400> 548

cctatgattc attcattcaa taagctttta ctgcataaac tttacatcca gcaactgtagt	60
taagtaccca aaattgaata gaaataatgg cttttgaaaa ttgcccagaag caggctggga	120
ttacaggcgt gaaccactgc acccggccca gtactgcatc ttaacagcca agccatttta	180
ttctacttta taactgatag acttgatacc atccatctct ttaggttaca gaggataatt	240
tgaagagaaa tgttactgta gaatatatag ttctgtactt ttttttttta aga	293

<210> 549

<211> 266

<212> DNA

<213> Homo sapiens

<400> 549

cgcgacgcac attgatggag cgtatgtcca ggccgctgtg caccgcaagg agcaaaacag	60
acacagttct tggctcctagg gctcacgtcc cggggcgaag aggatcctcc ataaacgac	120
agccatagca gctgtgattg gacaagagac tgatttcagt gactttctcc tgataagaga	180
ccaccgacca gctgaccatg ccgaccagct gaccctgtaa tagagagaga tgatgcacct	240
gcattgccttt gtgtcctgaa aatgac	266

<210> 550

<211> 300

<212> DNA

<213> Homo sapiens

<400> 550

gcttggggag agtgatggta gaaggacctc ccaggagggc cctggagaca gtgtgaaatt	60
cgagggaggt gaagatgctt ctgtggctgt ggagtggctc ggggatggca gtgggacctc	120
gcagaggagt ggctctcttg gcaagatccg ggatgtgtc cgcagaagca gtgaactctt	180
ggtgaggaaag ctccagggga ctgagcctcg gccctccagc agcaacatga agcgagcagc	240
ctccttgaac tatctgaacc aacctagtgc agcaccctc cagggtctccc ggggcctcag	300

<210> 551

<211> 271

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(271)

<223> n = A,T,C or G

<400> 551

ggaaagtgga gaggtctctg ctgcgaagag aggcactttc agggactttc cttcagctgt	60
ctcttctctt gggaatgagc tactcaaggc tgaccctctc tcctgttgct tgaaataatg	120
atgatataata ggttggtatn ngnagtntgt nacctccngc tcaatctctt nctnctctc	180
tacctnnnnt cttctcctn ctncctnnct tcgntnnnnc ttnnctctcc cncntnttac	240
tctnacantt ccntntnct accctcactc t	271

<210> 552

<211> 300

<212> DNA

<213> Homo sapiens

<400> 552

ccggaggctg gtgtgagcc agtggtggg catcctagcc accatcgcg ggctggtggt	60
cgtgggcctg gctgacctcc tgagcaagca cgacagtcag cacaagctca gcgaagtgat	120
cacaggggac ctgttgatca tcatggccca gatcatcgtt gccatccaga tgggtgctaga	180
ggagaagtcc gtctacaaac acaatgtgca cccactgcgg gcagttggca ctgagggcct	240
ctttggcttt gtgatcctct ccctgctgct ggtgcccatt tactacatcc ccgccggctc	300

<210> 553

<211> 224

<212> DNA

<213> Homo sapiens

<400> 553
 eggatatacct ctccctcatc aaacttttct ccaccaactt tagcatctgg ttgccaccct 60
 ccaaaatggc cccagtgate ccatctccta ataagtacat gtctgtgtgg tcctctccca 120
 cactgcatag gaatggctta cgtaaccaat aggtagttaga ggatgtgatg cagtctgact 180
 tttgaggcta agttgtaaag aaagacactg tgtcttcttc cttg 224

<210> 554
 <211> 268
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(268)
 <223> n = A,T,C or G

<400> 554
 cttgagtcta ggagttcaag accagccttg gcaacgtggc taaaccccat tgctacaaaa 60
 atatatatat acaaaaaatt agctgggagc ggttggcaca tgctgtagt cccaactact 120
 caggaagccg aggtgagaga atcnnnnngn nnnnnnnntn tactntnang ttaanaann 180
 ggntttannt nnnaaattan ctggaagecg ntgncanag cctggngncc caantactct 240
 ggaggccnnn gnggnaaaat tntctggaa 268

<210> 555
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 555
 caaatccaat agcaagctct gttttctaata atagtaaatg tctttatagt aatagtgagt 60
 aatcattaat tctaaagata gaattattat tacaataaac aaactttagt cacatattgg 120
 cagtttttct atttcaaaca cagcaccaga gatcagagtc tacttgaaac ttacatttgt 180
 gttattttaac aatttttctg tatctttttc attggtggtt tgttttgttt atcttttgtt 240
 tttgtttctt tggtttggtt tgtttttgtt ttgttttttg agatacgatc tctgtcacac 300

<210> 556
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 556
 gctcagtgtt ggcattgtga cctggtgttg tcagttagtc tgtggatcca gggtcagtgc 60
 tggtagtgtt agctgacatt ggcagttagt ccatggatcc aggctcagtg ctggtatgtt 120
 gacctggtgt tgcagttagt tctgtggatc caggctcagt gctggtatgt tgacctagca 180
 ttggcactga gtctgtggat tcaggctcag tgctggtatg ttgacctgac attagcagtg 240
 agtctgtgga tccaggctca gttccacaga ggttgataaa acatggtctc aggtgggttc 300

<210> 557
 <211> 266
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(266)
 <223> n = A,T,C or G

<400> 557
 cgtgttgccc acgttggctc tgaactcttg acctcaggcc tcccaagggtg ctgggattac 60
 aggcgtgagc caccgagtct ggccttgcca gttatttttc attacttttt gttttttttg 120
 gacnaggctc ggntntgtan nccaggctgg natgnagntn ntgnnatnac agatnnntgn 180
 nnggntcaac nnggnaagan nngatngggn ttcncggggn nntngnnann aantngtnan 240
 tnnnnnnaan gantacatga agntag 266

<210> 558
 <211> 300
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)... (300)
 <223> n = A,T,C or G

<400> 558
 aaaaatacaa aaattagcca ggcatgggtg cacgtgcctg taatcccagc tactcgggag 60
 gctgaggcag gagaatcgct tgaacctggg aggtggaggt tgcagtgggc tgagatcacg 120
 ccattgcact ccagcctggg cgacagagtg agactctgtc tcaaaaaaaaa aaaattatga 180
 aaaaagtatt gggattaaag aaagtcagga taaaaatttt aaaaagcagg ccantgtcag 240
 caaagcctgg aaaattgggg ccggaggctc ngcccccatc atgngcctgc cacccttcc 300

<210> 559
 <211> 265
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)... (265)
 <223> n = A,T,C or G

<400> 559
 gaggcaccca aaggctcctg agacacatgg gtgctattgg gggtggnggg gangtggtg 60
 aggtgnaaen tgnctctnt tattaggcta tntctanctt nccattnact ganttcactc 120
 aanactgcnn natnnctatn aannantaan ntaaaccntc ttaggtcant antantnctn 180
 nantganttt catcantatn cctnnacnng ttncttngtt annagatan cnttaacntt 240
 atnnnacnga gaaantctct tctaa 265

<210> 560
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 560
 agaagaaagc attagcaacc ttgatgccat gacaatagaa actatccaaa ataaggcaca 60
 gagaagaaag tggaaaaaaa ggcaaaaagg aaaacagagc aacagataat gtgagacaag 120
 gtcagatagt ctttatgtat gtgtaattgg agtccccagg agatgtgaga ggaaaaagag 180
 ttgaaacaat catagacaaa atatttccac gtttgatgaa aactatatta gttgtgtatt 240
 gctacctaac aagttattcc aaaaatttag tggcttaaac aaaacatcca ttatctccca 300

<210> 561
 <211> 300
 <212> DNA

<213> Homo sapiens

<400> 561

gccacctact	gcgtcttgg	catggagaag	aagagctgga	gacagagaaa	gatttcagca	60
gaatcctcag	gatggattta	gccgactaaa	acgatggatt	atgattggcg	atcatcacca	120
gttacctcca	gttattaaga	acatggcctt	tcaaaagtac	tcaaacatgg	agcagtctct	180
cttcactcgc	ttgttcgcg	ttggagtcc	gactgttgac	cttgatgctc	aaggagagc	240
cagagcaagc	ttgtgcaacc	tctacaactg	gcgatacaag	aatctaggaa	acttacccca	300

<210> 562

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (300)

<223> n = A,T,C or G

<400> 562

attaaaaaga	aagctttatg	tagttatgca	tgtcagtttg	ctatttaaaa	tgtgtgacag	60
tgtttgnat	attaagagtg	aatttggcag	gaattcccaa	gatggacatt	gtgcttttaa	120
actagaactt	gtaagacatt	atgtgaatat	cccttgccaa	ttttttttat	aataagaaaa	180
catctgacta	aagtcгаа	atgatttctt	atggtttatt	ttgatgaaag	ttcttttaac	240
atgtcttgaa	tgtacacata	aaggaatcca	aagctttcca	ttctaactta	atcttttgta	300

<210> 563

<211> 300

<212> DNA

<213> Homo sapiens

<400> 563

gtgacattgt	gattgcaaaa	agcccaagtg	atccaaaatc	aaatatttgt	aaaagagtaa	60
ttggtttgga	aggagacaaa	atcctcacca	ctagtccatc	agatttcttt	aaaagccata	120
gttatactat	agtgataaaa	acctgtgcta	cacatccatt	tctcagcaac	ggctcctagg	180
ataatcaatc	atggcatact	gctaatacct	tgattgcagc	tgatatggag	gaaatatgtt	240
tactcttttg	ctaaagtga	gttcactcgc	gaggtgccaa	tgggtcatgt	ttgggttagaa	300

<210> 564

<211> 300

<212> DNA

<213> Homo sapiens

<400> 564

gccagatga	ccttttcagg	ggtaacaccc	cagctgcttg	agagaacagt	gttgctgctg	60
gcagagatgc	attccagaga	tgcactccgc	tctggaactc	actctcagcc	acagggagct	120
gcatgcacca	caggggcaat	gcacctttgc	aggggtacct	tctggcccca	acccttgact	180
caacggggac	aactccagaa	ggtcattcca	gateccagaga	tccccatcga	actgaaggat	240
cactgggttg	cagacacatt	gcaggtcagc	ttcttctctt	gccagtcct	gcctcactcc	300

<210> 565

<211> 289

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <222> (1) ... (289)
 <223> n = A,T,C or G

<400> 565
 atcatgactc actgtagcct tgacttcttg ggctcaggcg atcctccac ctcagcctcc 60
 tgcatagctg ggactacagg catgtgccac cacacctggc taatttttgt attttttttt 120
 ttnggnaaaa acncggtttt gccngtngc cnaggntggc cttnanctcn ngggctaaan 180
 caatcnattc acnagnaccc ntnaaagggc tggnatnacn ggcntgaccc cntgcantng 240
 gccgacnttc aatttttnatg aataaaacnt acntngnaaa ntaaggggg 289

<210> 566
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 566
 gttttataag tggagtcttc agggaatgat tatttgggaa ttaggctttg aaagagcctc 60
 agctgtgttc cccccctcc aagaattcag gctgttattt ttcaaggctg ccacagaggt 120
 ggggagtgga aaatgagact agtaagttaa aatactacaa agcttgctgt tcttacagaa 180
 attcagccat ttttcttgaa taaacacttc catggattgc tgcaagcctt gattaattgc 240
 cagaatctga aatgggtgct tttgacagtt ttttcccat aggtttttgt tgcttttatg 300

<210> 567
 <211> 299
 <212> DNA
 <213> Homo sapiens

<400> 567
 tttttttttt ccaattctgt tcttttcagc ttaggaacct tagtacatgc agtttcttct 60
 acctgaaggc ttcctcatcc ctttacctga caccacactc tgactcaggc ctttcaaact 120
 aactaaagcc taatcttctg ggcaaagttt gctttttaat ttttttttca acaattgctc 180
 aaagagtagt tgttttcata attaatccaa aattgtccta agaaaggcca tcatcacagg 240
 gggcaaagtt taacatcatt tctgaaaag ggttatcata ccccccaaat aaattaggt 299

<210> 568
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 568
 ctaatgtgct ataaattctt ctgagcttgc tgtggctaatt ttattaattt aaaaagtatt 60
 ttttgtcttt cttaggcctc cttgaatcta gtcactctag agatagaata cacaatcttg 120
 tctgatgtt tttacttgca actcacaatc ttgtttggtg gtttagttgc aggtttcaga 180
 gattagaccg tatatatcta aatgctggga tcatgcctaa tccacaacta aatatcaaag 240
 cacttctctt tggcctcttt tcaagctgaa ggcctgctga cccagggtga taagatcact 300

<210> 569
 <211> 293
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (293)
 <223> n = A,T,C or G

<400> 569

gccctggatg gaggacaaga gtttggtagt caatggcaac agtaccattc aaaaatagat	60
gatctgatcg acaacagtgt aaaagaaatc atttcactgt tagtttcaaa gtttgtttca	120
gtgttggaag gcntgtngtc tannctgtna aggttttatt nnntnacttt nttatctnnc	180
ntnttttann tcnactntta aattaatnnt tttntttgtt atttncatat tttttctnt	240
tatttttttt cntntttttt tttttntnt nttgnnttt tnatantttt aat	293

<210> 570

<211> 300

<212> DNA

<213> Homo sapiens

<400> 570

gttctccctt atctgatgct cactgtggcc ttgggcagcc tggcatcgag aattctcagc	60
atgttcactc ttgagttctg tgcctgcac acacagcaat ggaacagtcc caaaagattc	120
ttaagggtgg ggaaggcac taagaaaaga tgaacctgca gtccctgtta taccatctgg	180
tctaattgat actactgttg tcaagcaaaa ggagctctct ccctgaggca ctggaagcca	240
atattttgac accagggttt tgagaaagaa aagtttttta ttgtaagttg actcacaaga	300

<210> 571

<211> 276

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(276)

<223> n = A,T,C or G

<400> 571

gggtggcaag ccaccaggt gccgaggcaa gagaccgaga gcacgagctg ttccagtgt	60
ataaaatata taaaataaca agagttatac tgatatagct catagatatg attatatata	120
aataccatta atcattagtt tgtagtaatt actctttatt caaatattat aatnntnctc	180
actctncaat catnacctan atanngctng natttgnaan natnntanct gtgnntacat	240
ggtgttaact gtttanttcc nannattcct tttttt	276

<210> 572

<211> 300

<212> DNA

<213> Homo sapiens

<400> 572

gaaagattga agaagttcat ctctctgtag aaaaagtaga tgttatcata tctgagtgga	60
tgggctatct tcttctgttt gagtctatgt tagattctgt cctttatgca aagaacaaat	120
acttggaaca aggaggctcg gtctaccctg acatttgcac tatcagcctt gtagcagtga	180
gtgatgtgaa taaacatgct gatagaattg ctttttgga tgatgtctat ggcttcaaga	240
tgtcttgcac gaagaaagca gttattccag aagctgttgt ggaagtttta gatccgaaga	300

<210> 573

<211> 257

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(257)

<223> n = A,T,C or G

<400> 573

acaacagaac	ccgaagtgcc	caggatgata	tttttacaca	agctgtaaat	atggcaggat	60
tgccagcagt	gagtatccct	gttgcaactct	caaaccaagg	gttgccaata	ggactacagt	120
ttattggacg	tgcgttttgt	gaccagcagc	ttcttacagt	agccaaatgg	tttgaataac	180
aagtacagtt	tcctgttatt	cannttcttn	nactentgga	tgattgttna	nnttnccttg	240
ttntngnaa	gttncct					257

<210> 574

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(300)

<223> n = A,T,C or G

<400> 574

attacagcca	ccttttgggt	ttcatttaat	tttggtagt	ttaatgtcta	ttaatgtgat	60
tttttttta	acctttctcc	caatagggtg	atgacaacaa	gaaactagga	gaatggttag	120
gcctttgnaa	aattnacaga	tagggtnnnc	ccntannct	ggtcncntgn	nttntcntt	180
cctatcnntt	tanatgngg	nancncnntn	ctntacgtn	ccnttnttn	ntnantnntn	240
cntattactn	tcncnttnc	ncnnntncnc	nttctttgna	nnccccntc	tcctctctgt	300

<210> 575

<211> 300

<212> DNA

<213> Homo sapiens

<400> 575

atcaacgcag	gcatgtacat	cctgagccct	gcagtgtctg	ggcgcatcca	gctgcagcct	60
acgtccattg	agaaggagg	cttccccatt	atggccaagg	aggggcagct	atatgccatg	120
gagttacagg	gcttctggat	ggacattggg	cagcccaagg	acttcctcac	tggtcatgtg	180
ctcttctg	agtcactgag	gcagaagcag	cctgagcggc	tgtgtctcagg	ccctggcatt	240
gtgggcaacg	tgctggtgga	cccaagtgcc	cgcacgaggc	agaactgcag	cattggcccc	300

<210> 576

<211> 300

<212> DNA

<213> Homo sapiens

<400> 576

atgaccagag	aggaaggaga	agatgcagtc	cagtttgcta	acagggttaa	gtctgctatt	60
gctatacaag	gaggcctgac	tgaacttccc	tgggatggag	gactaaagag	agcaaagggtg	120
aaggacatct	ttaaggaaga	gcagcagaaa	aattacagca	agatgattgt	gggcaatgga	180
tctctcagct	aagaggacgg	atgacagcct	ttagatctag	aactagccct	tagaaatgga	240
atggcttttt	tgttttgttt	tggtttattg	ttttgttttt	attattgtta	atcttttcta	300

<210> 577

<211> 296

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(296)
 <223> n = A,T,C or G

<400> 577

aagattgggg	taatactgaa	tgtatagttt	ttaggggggtg	aaatttagct	gtataaatca	60
taggctgttg	acatttgtga	ttacttcatt	gctaagtttt	acatatagga	gtcttcatac	120
tttgtttcag	ggacagaatg	atgctgctga	aattggaaca	agaaatttta	gatttcattg	180
gtagtaatga	gtnagtcctg	acnttnnnna	gatnntanat	tgggntccca	ttctccttgn	240
cttctancnt	ggantntnnt	ttnttttngn	ttnnnccnt	nnntttnttt	ttgctc	296

<210> 578
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 578

ggcttctgca	accaggaccg	gaggacactc	ccgggggggc	agcctccccc	ccgggtgttt	60
ctggcgtgt	ttgtggaaca	gcctactccg	tttctgcccc	gcttcctgca	gcggctgcta	120
ctcctggact	atcccccgga	cagggtcacc	cttttctctg	acaacaacga	ggtcttccat	180
gaacccacac	tcgctgactc	ctggcccgag	ctccaggacc	acttctcagc	tgtgaagctc	240
gtggggcccg	aggaggctct	gagcccaggc	gaggccaggg	acatggccat	ggacctgtgt	300

<210> 579
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 579

tcctattgta	aatcacttg	ctaaggctca	tgagaggcta	gaagattcca	aactagaagc	60
tgtcagtgac	aataacttgg	aattagtcaa	tgaaattctt	gaagacatca	ctcctcta	120
aatgttggat	gaaaatgtgg	cagaattggt	tggtatactc	aaagaacctc	acttcagtc	180
actgttggag	gcccatgata	ttgtggcatc	aaagtgttat	gattcacctc	catcaagccc	240
agaaatgaat	aattcttcta	tcaataatca	gttattacca	gtagatgcca	ttcgattctt	300

<210> 580
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 580

ccctatctta	tgagaaaagt	aactttgaaa	ggactaatac	atcctgttct	tagcttctgc	60
ttccttcagg	ccttctctat	gaagccagcc	tattctgctc	agcgctttgg	aacactgatt	120
ctatttcattg	gaccgaagca	ttgcccatt	gtagaattgc	aataaaagcca	actgagatct	180
ttaaattggc	tataattcat	cctttggcaa	tacagtataa	aaaaaaaatt	ctcacaattc	240
tgtaaaaggg	tatgagatat	acaataaaag	acacccccac	cctctgcaat	ctaccactca	300

<210> 581
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 581

caaggtcatc	gccaaagggt	gattggaaaa	attcaaaaaa	ttgcaacctc	aggcataaat	60
gggttaagga	catcccaagc	ccaagtggta	cgtgcctcac	tcagaactga	cgggccgagt	120
tctatctagg	tgtgtcttcc	agaacctgtt	tacggctaac	tggataactg	agagacttgt	180

```

catttctaaa gacatttaag ttgctccagg gatttctgaa aaaagacaca ggcttcttcc 240
tagagccagc cctatataac atgcccacaa gggcaacagt tatcacagtt catacacacc 300

```

```

<210> 582
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 582
ccaagacctc cacggccttg tgtcaagaaa tctccacaaa gtgacagtga atgatggagg 60
gggagttctc agagtcatta cagctgggga ggggtgcattg cctcatgaat tcttgggaagg 120
tgtggaggga gttgcagggtg gttttatata tactattcag gaagggtgatg ctctcttaca 180
caaccttcat tctcgccctc aaagacttat tgatcatata aggaatctcc atgaggaaga 240
tgccttactg aaggaggaaa gcagcatcta tgatgatatt gtttttgtgg atgttgtcga 300

```

```

<210> 583
<211> 291
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (291)
<223> n = A,T,C or G

```

```

<400> 583
ctgcctcagc ctcttgagta cgctgggatt acaggcgtgc accaccatgc ctggctaatt 60
tttgatattt tagtagagat ggggtttcac aatggtgccc aggttggtct cgaaccgctg 120
accttaagcg atccgcctgc cttggcctcc ccaagggtgct ggaattacag gcatgagcca 180
cogtgcccggt ctgacttttt tttatcttat ttctttgtga cacggggatg tgctcaanct 240
tccaggtctg antgcaatgg cnnncatgg ntcgntgacn tcaatctgct g 291

```

```

<210> 584
<211> 284
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (284)
<223> n = A,T,C or G

```

```

<400> 584
agagtggagaa cccctctgct acaaaaaata gaaaaaccag ctggggcgtg gtcgcgctca 60
tgtatagacc agctgctgga gagactgagc tgggaggatg gcttgagccc aggaggccaa 120
tnntgtnggg agctgnggtc gtacnactgt actetaatct ggncnactcg ancacgannt 180
cntntcncat nactnntntc nggtnttttn gngnttttcc ntntnnttgg ntntntntnc 240
attgttcttn ctntcnctna ttgtganang ntctnttctt cctt 284

```

```

<210> 585
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 585
gcagtcaggc agtgactgcc ttcggctttt tttctgctga ctaagatctc ctatagagag 60

```

```

ctacaacaat gcccaaaaga aaggctgcag gtcaagggtga tatgaggcag gagccaaaga      120
gaagatctgc caggttggtct gctatgcttg tgccagttac accagaagtg aagcctaaaa      180
gaacatcaag ttcaaggaaa atgaagacaa aaagtgatat gatggaagaa aacatagata      240
caagtgccca agcagttgct gaaaccaagc aagaagcagt tggtgaagaa gactacaatg      300

```

```

<210> 586
<211> 298
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(298)
<223> n = A,T,C or G

```

```

<400> 586
ataagaaatt gtcttgcccta agattaaata tatatggata tttttcctaa gaaaagtttt      60
agaaaagact gatgagtgtg tttctatgta attggaatat atttaaggtc atnccgnntg      120
ggnnnnanant nttctnctca cactcagggn cntnggggan naacnccngt tggnggaaga      180
nnccnngnnn cnactgtgtc agcanctatc ccttttcctc acggcngntc tccnngnacc      240
tcctgcgnnt nttnnngent cccctggngn nnetctgnen ncctcccnnc attctctga      298

```

```

<210> 587
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 587
ggaagacaca ataattttaa attgcctaca gcagggggttg gcaaatagtg gtgcaagggc      60
cacatctggc tagcagccta tttttgagaa tgaagtttta tgagaacca cacaatctgtt      120
ttagattgtc tatggctgcc tttgagttac agcagtgagg ctgagtagct gtgacagaga      180
ctatatgacc tacaaaaact aaaaatattg gtccctttaca gaaaaagttg tctgaccctt      240
ggcctactat ttcaaactct gggtaggtcc tccacgtcag ttcttcatgg aactgtattg      300

```

```

<210> 588
<211> 290
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(290)
<223> n = A,T,C or G

```

```

<400> 588
gtccagcatt atggagtga cgtcagctcc aggaagcaga gacttctggc cctttgttca      60
ccatttcccc agaacctagg gtggtgactc acctataagt gctcaaaaaa catgtggcga      120
atggaggacc agagctaggc tctgaatgag gcctcctgga tctcacgcag gggatggaga      180
gtaaggacca gccctctac ctcagtcttt ctctctgctg nctegtanga gcccacatnc      240
ttntgtcctg agcangncan annctgnagn nctgccttga caggatggct      290

```

```

<210> 589
<211> 300
<212> DNA
<213> Homo sapiens

```

<400> 589

```

ggaaatcatg aaggaaggca agcagtttca ccggatagtg acataccatc gccaccttta      60
tgatatccac gtgactgttc agccaaagta taaacacgtt tatectaaga actctgtagt      120
aagaaaaagc catttgtagg gtgcttaagc ttgtttgtaa aatggcctac ttgaagtcct      180
catgaataat gaggggtgac ttccatttgc ttgaaactta aggaagtttg tgcctataaa      240
agttactgca attcagtatt tctttatttt ttccgagaca gagtctcaat ctgtcgccca      300

```

<210> 590

<211> 296

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(296)

<223> n = A,T,C or G

<400> 590

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ggcggggcgaa tgtagtctca gcctcccgag tagctgcgac tacaggcgag tgcctccatg      60
cccagctaat tttttgnatt tttagnnann nnggcggnca atcctgttag aaactgttgg      120
agctgcgcgc aggcactgac cctgccaccc tctactgcat taacttcanc cacgactcct      180
ccttctctcg cgcttccagt gataagggtg ctgtccatat ctttgccttc aaggataccc      240
gtcttaaccg ccgntccgng ctngctcncg tgggcaangt ggggctatga ttggca          296

```

<210> 591

<211> 279

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(279)

<223> n = A,T,C or G

<400> 591

```

ggcaagccct ggatgaaaac atggacctct tggaagggtat aactggcttt gaagactctg      60
tccgaaagt tttctgccat gttgggggca tcanttanna tgcctngnc cggtgactgn      120
tgntntnaga ggctctgngt tccctnnagg nnanctcntt atanantctt gtntctnnngn      180
tcttatcagc annntgctnt ataactctnt gtacctnccc ntttggttna gnactnnnnn      240
canataagna ttgatgecta nctctcntat nnttattgc          279

```

<210> 592

<211> 300

<212> DNA

<213> Homo sapiens

<400> 592

```

gtgaaagcgg gccctcacga tccttctgac cttttgggtt ttaagcagga ggtgtcagaa      60
aagttaccac agggggccaga acttccacct tgtggtcaat tgtttcaagt gtgtgaccat      120
acttgtcaag aaagtcaagt cttaccagat aactgaaaaa cagctccaag ttctactggc      180
ctatgctgag gaggacattt atgatacttc aagacaagcc actgcctttg gtcttctgaa      240
ggcaatttta tcaagaaagc tggttggtccc agaaatcgat gaggtcatgc ggaaagtatc      300

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<210> 593

<211> 300

<212> DNA

<213> Homo sapiens

<400> 593

gtcggctctt cctatcattg tgaagcagaa ttcaccaagc gttggattgt tcacccacta	60
ataggggaacg agagccgaac agctgaagag agttcactga ctccccagcc ccaggtgggc	120
cttgtgcaca tcatgaccag ttttgaagat gctgacacag aagagacagt aacttgcttc	180
cagatgacgg tttaccatcc tggccagttg cagtgtggaa tatttcagtc aataagttt	240
aacagagaga aactcccttc cagcgaagtg gtgaaatttg gccgaaattc caacatctgt	300

<210> 594

<211> 300

<212> DNA

<213> Homo sapiens

<400> 594

ggaagaaaag tggcagcatg aacagtaaga gaatcattac aggctgggtg cagtggctcg	60
cgctgttaat cccagcactt tggtaggctg aggccaggag tttgagacca gcctgggcaa	120
catggtgaaa cctgtcctt acaaaaaagt taaaaattag ccgggatgtg atacctgtg	180
cctgtggtcc cagctacgtg ggaagctgcg gtggaaggat tgcttgagcc tgggagatcg	240
aagcttcagt gaaccgtaat tgcaccactc ccttccaggc tggaggacag agcaagaccc	300

<210> 595

<211> 297

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(297)

<223> n = A,T,C or G

<400> 595

ggatgggag cccaccatgt gttcagatgg gatattatgg tatttttcat gtggnattgc	60
ctggnatggt ttatattnnn cnnnnntttt tacangggnn tngtattggt tcttannttn	120
cntgtttttt cgnattntna tntnncttn nttttnttn tntntnttn tttngnntna	180
tntttntttt gattcttcta tttnnnttc nttnnnttn tccttnttag tnnattntnt	240
ttttntttnc attgtnnngt ttnttnattt tttttttta ttnatatttt ttaatta	297

<210> 596

<211> 265

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(265)

<223> n = A,T,C or G

<400> 596

ccctgcagac ttcttcttgg acatcattaa tggagattcc actgctgtgg cattaaacag	60
agaagaagac tttaaatacca cagatatcat agagccttcc atgcaggata agccactcat	120
agaaaaatta gctggagatt tatganntct ccttcttntn cnnagagact ttagctnnnt	180
tacatntnct tttngtnnt tnannnaann tntttnnncg nttttttatt ntgggntttt	240
atttttgttt ttttttntn tnnat	265

<210> 597

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 597
 tccgcaccca ccgtggtgaa cgggcccggc caccaccacc atccactctg ctgcggccac 60
 ataaccaccc tggcccagta cccatggccc ctcgaccccg agttcgggcc cagccttctg 120
 gaccacagcca gcccacgtg tgtggcttct gtgggaagga gttcccccg agctcagatc 180
 tggcacaaca caggcgta caacacgggg agaagccata caagtgtgca gagtgtggca 240
 aggggttttg tgacagttct gcccgcata agcaccagcg tgggcacctg gtcctgacgc 300

<210> 598
 <211> 279
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(279)
 <223> n = A,T,C or G

<400> 598
 gagaccttga caagaaagat gcatcaatca acatagaaaa tatgcagttt atacacaatg 60
 gcacctatat ctgtgatgtc aaaaaccctc ctgacatcgt tgtccancct ggtcacatta 120
 agctctatgt cgtnnaaana nanantttgt ctgtntctann ngtttttttn tttntnggtn 180
 ntccangtct ttaagnanct ctntntttgn ctcatntttt ntgtntcntn atcntgtggn 240
 agnecgtctng tntnctann tntnnnttt gatcttttt 279

<210> 599
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(300)
 <223> n = A,T,C or G

<400> 599
 gaggatatag cgatagagat ggatatggc gtgatcgtga ctattcagat catccaagtg 60
 gaggctecta nngngattca tangctannt nnggcncat gactgagcgc ntnaccnttn 120
 cnngnnccct cgnctecta ngcggtggn taaccatata cgctactacc ccgcanttcc 180
 cggacatgat cctctccgcc tctcgagcct ctagaactat agtgagtcgt attacgtaga 240
 tccagacatg ataagataca ttgatgagtt tggacaaacc acaactagaa tgcagtga 300

<210> 600
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 600
 gctgattgag aatagtcgag atgacaccac ttgggtaaaa ggacagctcc aggaactgag 60
 cactcgctgg gacactgtct gtaaaactctc tgtttccaaa caaagccggc ttgagcaggc 120
 cttaaaacaa gcggaagtgt ttcgagacac agtccacatg ctggttgaggt ggctttctga 180
 agcagagcaa acgcttcgct ttcggggagc acttctctgat gacacagagg ccttcgagtc 240
 tctcattgac acccataagg aattcatgaa gaaagtagaa gaaaagcgag tggacgttaa 300

<210> 601
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 601
 gtattaaata agatgtcttt aaacagaaac acacatatat gtattgattg attaatgagg 60
 ctctcaggaa cctgactctg tgtttccctt aggagcagtg tttcagtatt cactaatcga 120
 gtgttcattg tgactttata gaaccactgc aaatagttag aattaactat acatatatgt 180
 ttctgtgtgt acgcacatgt gtgtgtatgc atacttgtct ctaaactat gggattatac 240
 tctgtgtgt ttttgcctt tatgtcatta tgtatactat ataagtatat ttttacatta 300

<210> 602
 <211> 299
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(299)
 <223> n = A,T,C or G

<400> 602
 gaagtgaatg aaaagaaaga cagagttaca gatgccctta atgctacaag agctgctgtt 60
 gaagaaggca ttgttttggg agggggttgt gcccttcttc gatgccttc agtcttgga 120
 tcattgactt cagctaannn anntnantan atcnntagnn tntcacttt tnttttnnan 180
 anaggcctnt ttttntnnnn ncnttgnntt ttctttgggt cnnctntnt nntttnnnc 240
 ntncctcttt tgnntnaann tctttnnntt annttctttt natttgttt ttgggtctt 299

<210> 603
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 603
 cagagaaggg acagaacctg acttcaaaat ttaatatagt aatcaagaaa gtatggtatg 60
 ggtgagagaa tagacaaata gatggaataa aatagagatt ccagaaagac ccacacaact 120
 agagtccact gatctttcaa aaaggagcaa aggcaattca atggagaaag gatggtcttt 180
 tcaacatggt gctgtaacaa ttggacatcc acatgccaaa aaaagatgaa tctagacacc 240
 ttacatcttt cacaaaaatt aactcagatc atagacctaa atgtgatgta caaaagtata 300

<210> 604
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 604
 gagccatgag agcagctcgt tcccttggag aaagaactgt aacagaactg atattacagc 60
 accagaacct tcagcagttg tctgccaatc tatgggcccgc tgtcagggt cgaggatgcc 120
 agtttttagg gccagctatg caagaagagg ccttgaagct ggtgttactg gcattagaag 180
 atggttctgc cctctcaagg aaagtcttgg tactttttgt tgtgcagaga ctagaaccaa 240
 gatttctca ggcacaaaa acaagtattg gtcattgtgt gcaactactg tatcagactt 300

<210> 605
 <211> 296
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(296)

<223> n = A,T,C or G

<400> 605

gtaaactgta tatctgtaat atgaatccca gcttttgagt ctgacaaaat cagagttagg	60
atcttgtaaa ggaaaaaaaa accggaccaa aatggagatg agtacttgct gagaatgaat	120
gagggaagga gttggcattt gttgaaagta tagtcttttt ctcttttttt ttnaatngca	180
ncctttactt taaatttagg aggtcagtn cccaggtttgt tncatgggta tattgggnga	240
tgctganctt ggnatncnaa ngatcctgtn acccagggtan ngagtntang ccccca	296

<210> 606

<211> 297

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(297)

<223> n = A,T,C or G

<400> 606

gtcaacatga agggcaatga catcagcagt ggcacagtcc tctccgatta tgtgggctcg	60
gcgncttcen tggnegcagg ctttcatcgn tatgtntgtc tgtngtattn tcncctntng	120
nttntnnntn tntgntgttt tttngtnctt tttttctgct ntntnntcct ttntttntnc	180
tnctaggnnn ntntntnctt ttcttantnn tttttncctt tttttgnnnt tnttttttta	240
tntatgtngn tttntttgtt tntannntnt tntgnattcn attgnntatn gctattt	297

<210> 607

<211> 300

<212> DNA

<213> Homo sapiens

<400> 607

ggatctgttt ccagtaatat tattcttttt tgttccacaa atcatagatg tcaccattga	60
accttctgaa gagcctttat ttcttgctga tgaattgtat ggaatagttg gtgctaacct	120
taagaggagc tttgatgtcc gagaggatc tgctagaatc gtggatggaa gcagattcac	180
tgagttcaaa gccttttatg gagacacatt agttacagga ttgctcgaa tatttgggta	240
cccagtaggt atcgttggaa acaacggagt tctcttttct gaatctgcaa aaaagggtac	300

<210> 608

<211> 293

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(293)

<223> n = A,T,C or G

<400> 608

cagagaaggg acagaacctg acttcaaaat ttaatatagt aatcaagaaa gtatgggatg	60
ggtagagagaa tagacaaata gatggaataa aatagagatt ccagaaagac ccacacaact	120

```

agagtccact gatctttcaa aaaggagcaa aggcaattca atggagaaag gatggctctt 180
tcaacatggg gctgtaacaa ttggacatcc acatgccnna taaagatgaa tctagacacc 240
ttacatcttt cacnaaatTT aactcanatc atatnaccta ntgtgatgta cct 293

```

```

<210> 609
<211> 267
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(267)
<223> n = A,T,C or G

```

```

<400> 609
gacggaagta aattatgatg tccaggggga gatggaggat aggacgtatt tataataggt 60
atatagaaca caagggatat aaaatgaaag atttttacta atatataatt tatggttgca 120
cacngtacac accagaagat gntaaattnn ttgtggcat ttaannctnt ctnnnnnnnt 180
antgcnnntn nnetctaatt tttttttnnt ttgtcntttt ntntcnaag annnatntn 240
ntnnngatnn ntntntann ttccctt 267

```

```

<210> 610
<211> 294
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(294)
<223> n = A,T,C or G

```

```

<400> 610
gtcgcccttg gcgggagctg agcaaagtga tcattgttga caattcccct gcctcataca 60
tcttccatcc tgagaatgca gtaagtggcc ccaaagaaag aaaatgtcgt gctccatctg 120
agccctctgt cttgccaggc aggtaccact tttagcacc tacacaagaa ggtctctggg 180
ccttttcccta atgaaatccc agctctgcc tttagcagtt gcgtgtcatt gaccaagtta 240
tttaacctca ctgagcctcg gntgcctnat ctgcanatgg gaattatagg aatg 294

```

```

<210> 611
<211> 297
<212> DNA
<213> Homo sapiens

```

```

<400> 611
ttaaatctta cttgatcatt tagagttttg cttttataaa caagcctttt gatacagagg 60
cagaagccag tgaaaaatac ttttatagag atgaggtctt tttattttat ttttttatag 120
agacaaggte ttgctatgtt gcttaggctc caacccttgg cctcaagcca tctcctgct 180
taggcctccc agagtgttag gattataggt gtgagctacc gtgctcaact gaaaaatag 240
ttagaagaca gtcctactcg acaaatatTT tctttttctt ttcttttttt tttttttg 297

```

```

<210> 612
<211> 262
<212> DNA
<213> Homo sapiens

```

```

<220>

```

<221> misc_feature
 <222> (1)...(262)
 <223> n = A,T,C or G

<400> 612
 ctccgggctc caggctggct tgcccgcgct ctttcttccc tcgtgacagt ggtgtgtggt 60
 gccggaaaag gtgatggact tagcattcac agacgacacc acacaccact gtcaaataaa 120
 cagctattta agggggaaaa aaaaannaaa aaaanaaaaa aaaaaaaaaa aaaaaacana 180
 aaaaanaaaa tnaaaaanna antnnnaaan canaananna atnntanaca aanaaaaaan 240
 gaggtantnn nnnagcnnac nt 262

<210> 613
 <211> 280
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(280)
 <223> n = A,T,C or G

<400> 613
 gattctttcc caggccacaa gacattttct gctcggaacc ttgtttacta atttccactg 60
 cttttaagyc cctgcaactga aaatgcaagc tcaggcgccg gtggtcgatg ggaccctttg 120
 tggagtctgn gatgntatag gtttattcna nancnttata ngctanagta aannagttaa 180
 caanaacnnt ngnattcatt ttatgttnca ggttcagggg gaggtgtggg aggtttntnn 240
 nnnnnntnat ngnnnnnnnt nnnnnnanat nntttttttt 280

<210> 614
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 614
 ctcatctcta ccaacaacaa caacaacaaa attagctggg tgtggcagtg tgtacctgta 60
 gtcctagcta cttggcaagc tgaagtggca gcattgcttg agcccaggag ttaaaggctg 120
 ctgtgaatta tcattgtgcc actatacttc agccagagtg acaaaggaag accctgtctt 180
 gaaataaaaa ttttttaata aaattaatta actttagtta ctataacatt ctttataacc 240
 tttaaaaaat tttaaatttt tgactctttt tgtaataaac agcttaaaac acaaacacat 300

<210> 615
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 615
 ggcaggagga tggcttgaac attggaggctc gaggtgcag tgaactgaga tggcaccact 60
 gtattctggc ctgggtgaca aagtgaagact ctgtctcaga aaaaaaatac tgtggaaagc 120
 ctctatgtcc caatatgaaa caatctcctg gatatactct tgtggaaaaa agcaacgttc 180
 cacagagtat atgtagtaag ttttatctat gtcagaaaaga aggagaaata aaaatatgtg 240
 tatgtatttg catatttttg taaaaggtag acacaggaag gataaaccaa aaatgcaaat 300

<210> 616
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 616

```

gccgacctgt gggacctgat ctttctctgg ggtagggcca tcctgggcac tgcagggggc 60
tgagcagtgt cgctggcctc cgctacttt atgccaggag cacccttagt catgacaatc 120
acaaatggcc ccagacatca accagtgtgc cctggagggc agagtctccc ctggtgagac 180
ctccattcgg tcaactccctc cccccccagg gccacgctca aagcctgtcc cagaggagat 240
cctggcctcc gcctgatctc ctctgaccct ttacaaaagt ttgctgaccc ctgacttaag 300

```

<210> 617

<211> 300

<212> DNA

<213> Homo sapiens

<400> 617

```

cagctcctcc accagcataa tgggacccag catccctgcc aaaactcggg aggtgctcgt 60
cagccacctg gcatcttaca acacatgggc tttacaaggc atgtatggag tttcttgagg 120
gcttggcagg tggctgtgaa ggccatcagt gtctgaagcc tgtacttgcc cctccccagg 180
tcctgtgagt ggagaggcac agagtgttct gggctagctg agtgtggagg ctgggtggct 240
ctgatgctag ccaatcactc tacgctctag gctcacacct ttccaccttc gacttcgcca 300

```

<210> 618

<211> 299

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(299)

<223> n = A,T,C or G

<400> 618

```

ttttttgcct tttacctggt cccttgatca tgagttagtag ctacagataac caggtatttt 60
gaagacgtga ttgtccttgg ccctgcccc tcccttcctt ttaaagggtt aaatntnnnn 120
cntgcentnc cntngcncng aatnccnna tacnctgcan gccntcctgg gcaacancac 180
actgagcaga ccannangaa acctnggggg ctttgaccnt gtggtctctg atggcttngg 240
gggtgnntnt gcngtccang acaaccgnt annctgnant gncgnttcct acccatgcc 299

```

<210> 619

<211> 300

<212> DNA

<213> Homo sapiens

<400> 619

```

ttgaaattac aaatcacgca actgcaacac tagaaggcaa tcagattttt aacaaccggt 60
ttggaggctt atttttagca tctggtgtta atgtgacaat gaaagataac aaaataatga 120
acaatcaaga tgccatagaa aaggctgtta gtagaggcca atgtttatat aaaatatcaa 180
gttataccag ctatcccatg catgatttct acagatgtca tacttgtaac accacagatc 240
gaaatgccat atgtgtgaac tgcattaaga agtgccatca gggacatgat gtagagttta 300

```

<210> 620

<211> 300

<212> DNA

<213> Homo sapiens

<400> 620

```

taagggattt gtggcatacc atcaagccaa cccattatac acattatgga aagttcacaa 60
gaagaagaga gaaaggaatg ggcagaaagt ttacttaa atgtgaccaa aacttcccaa 120

```

```

atctgggaaa gaaaatggac atccagattc aagaagacta aaggacccca aataagatca    180
acataaacac acaccaagac acattataat aaaattgtca aactctcaaa gacagtaaga    240
gaattttgaa aacaagaaaa aagtgacttg tcgtgtacta gggaacacac atcagactat    300

```

```

<210> 621
<211> 268
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(268)
<223> n = A,T,C or G

```

```

<400> 621
gagcagggat cttataaagg gccagaaata agatgtgtgg ttcacataga tagtgagcgt    60
aacatctgta ttaaacaatag gatagaagnt ttttttngnn nttgattnct ccnctngntn    120
cngttntntt ctngggtttn gtctntnttn tnaactttnt tnttatnttn ngctctnttt    180
ntgcttcnat gcttntnttt ntntttnttt atttnnccct cnnntntttt nttttttttt    240
ttntngtttn tttnccttc tnnntntt

```

```

<210> 622
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

```

```

<400> 622
gataacagca gcctccgctc tctcattgag aagcccccta ttctcagtag ctctttcaat    60
cctatcacag ggaccatgct ggccggcttc cgctccaca ctggcccgtt gccggagcag    120
tgtcatgtga tgcatttca nnctgccnaa nggangaata ngcgccangcg cntanagtag    180
gcggcccnng atcntgggcc angagaaana cgnncnagat gngagngnga cnagnngnng    240
aatngggggn anganagtgg tngngnanng gagnngagng nnagcggggn gagggggagg    300

```

```

<210> 623
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 623
ctgccttcca acaaaatcgt caagcgggca gaggagtgg tggggcagga gttgccttat    60
tcgctgacca gtgacaactg cgagcacttc gtgaaccatc tgcgctatgg cgtctcccgc    120
agtgaccagg tgcatttca gctgcatcc ccttcccagg agccaggcca ctccctcagc    180
tgccagaggc tgggtccctg ctggggccag ggtgggatgg aaatagacat gagcaagaca    240
aaatagcaga tatgaaactg ttgtccttga ggggtgtcaca tttggggtgg ggacaagggt    300

```

```

<210> 624
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 624

```

```
gcacaatgtc tacccagaga tgtttgttcc tgacctgacg cccaccttct atggtgccat      60
caagaacctc ggcaccaacc aatgcctgga tgtgggtgag aacaaccgcg gggggaagcc      120
cctcatcatg tactcctgcc acggccttgg cggcaaccag tactttgagt acacaactca      180
gagggacctt cgccacaaca tcgcaaagca gctgtgtcta catgtcagca aggggtgctct      240
gggccttggg agctgtcact tcactggcaa gaatagccag gtccccaagg acgaggaatg      300
```

<210> 625

<211> 300

<212> DNA

<213> Homo sapiens

<400> 625

```
gtcagctcgg gcaagccctc cgagaagaac ctctacgccg acatcgacgc cgcgtggcag      60
gcgctgcgca cccggtatgg cgtgagtcctc gagaacatta tcctctatgg tcagagcatt      120
gggactgtcc ccacggtaga cttggcctcg aggtatgaat gcgcagcggc aattctccat      180
tcccctctga tgtctggttt gcgtgtggct ttcccgata ccaggaaaac atactgcttt      240
gatgctttcc ccagcattga caagatatct aaagtcacct ctctgtgtgt ggtcattcat      300
```

<210> 626

<211> 300

<212> DNA

<213> Homo sapiens

<400> 626

```
taacttaaaa ctgccttttc aatttccagc atgtatagaa aatatgattc gactagaata      60
aagactgaag aagaagcctt ttcaagtaaa aggtgcttgg aatggttcta tgaatatgca      120
ggtaggtatt catttgatc atctaagact gatccttatg acaataagga gtaccttaga      180
gatgattaaa gaatttaaaa atgtgtacat ttcaaatttg ggtgtgtgtg tgtgtgtgtc      240
cctgttagag ggagagaggg acatagctgt aacaaatcac cagatagcct attttatagc      300
```

<210> 627

<211> 278

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (278)

<223> .n = A,T,C or G

<400> 627

```
gccatgggca ctgtgagcct gggccagctc cccctgcccc ccatccctca tgtgttctca      60
gctgggactg gctctgccat cctgcctcat ttccatcatg cattcagata attgattttt      120
aaagtgtatt tttngtatcc nggaanacgt atnatnanta ntentaattn ttataagatt      180
nnntttnggn nttttaannt ntgtantatn nntatnttnc nttntntatt tntannantt      240
tntantntnt tnannagtnn ntnactnttn taatttta      278
```

<210> 628

<211> 300

<212> DNA

<213> Homo sapiens

<400> 628

```
agaaagcaga gtgtgcagtt gtgttgactc tttgtctccc ggtgataaac ccatgtgata      60
ttttaccaa gtagataatc aaaagaattg accaaaaaat attaaagcaa agcaaagaaa      120
caaaagggtg tactgccaga agtgaaattt gaatggaaca taaatggaat tacagaggaa      180
```


atagcaaaga gtgggaatgt tggcactgct gttgttccag tgactctaga tttgctgcc 240
gacaaactta gtgaaagcat tgtgacataa aggatgaaca agtgacactg gcataagatt 300

<210> 629
<211> 300
<212> DNA
<213> Homo sapiens

<400> 629
ggagaatcac ttgagcccg gagttctggg ctgtttagt gcactatgcc aatcaggtgt 60
ctgcactaag ttcagcgta gtgtggtgac ttccttggg actcccagg gactgccaga 120
ttgcctaagg agagatgaac tggccaggtc agaaatggag caggtcgaaa ctccatcct 180
gatcagtagt gggattgtgc ctatgaatag acactgtatt ccagcctgg caataatgca 240
agatcctgtc tctaaacaaa ataaaacaaa acataaaaaa aacccttgt ctggaacaac 300

<210> 630
<211> 268
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(268)
<223> n = A,T,C or G

<400> 630
gggtggcctg tccagctcag catccttggg agtggccacg tacaccttcc tccagcagct 60
ctgtccagac tggggcacia tagctgccg cgccatttg cgtcattgcc ccatggtctg 120
cctcagctnt gcgnntctga ccttagtggn gntnctnatt gnnnnncana ncccanctat 180
cgtgangatn cttnnnttct gtttngnca tngntatntg ntcttannat tgcatanntn 240
tcnnngtntc tnttttntnt atnnnaaa 268

<210> 631
<211> 300
<212> DNA
<213> Homo sapiens

<400> 631
gttcagtgt ccccgaggatt actctggcta tcaacgggat ggatatcagc agaatttcaa 60
gcgaggctct gggcagagt gaccacggg agccccaga ggtaatat tttgtgtgtg 120
atcctagctc ctaagtggag cttctgttct ggccttggaa gagctgttaa tagtctgcat 180
gttaggaata catttacct ttccagactt gttgctaggg attaaatgaa atgctctgtt 240
tctaaaactt aatcttggac ccaaatttta atttttgaat gatttaattt tccctgttac 300

<210> 632
<211> 300
<212> DNA
<213> Homo sapiens

<400> 632
aaaaatatgg gctgggatta caggcgtgag ccaccacacc cagcctttct tttagtgtt 60
taaatatatt ggcctctctg cttctggcct ccaagtttct gatgaaaaat ctgcttgtca 120
ttttattgag gatcccttgt atgtgacaag tttcttccct ctgtctactt tcaggattct 180
aactttgcat ttcaaaagtt agactataat gtgtctcagt gtgggtctct ttgagttcat 240
tttacttgga gttacttgag ctgcttggat gtttatatgc atgtctttca tcaaatttgg 300

<210> 633
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 633
 ggggtttcaa gaacgtgcct cttgggaagg acgtccgcta cttgcacttc ctggaaggca 60
 cccgggacta tgagtggctg gaagcactgc ttatgaatca gacggtgatg tcaaaaaacc 120
 ttttctggtt caggcacaga ccccaggaag cttttcggga agccctgcac atggacaggt 180
 acctgttgct gcaccagac tttctccgat acatgaagaa caggtttctg aggtctaaga 240
 ccctggatgg tgcccactgg aggatatacc gccccaccac tggggccctc ctgctgctca 300

<210> 634
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 634
 ggcaaaggaa ctaaagaagc ctaatgaaga catgtgctta gcagaccaa agcctttgcc 60
 agagtgcct cgtattccag gacttgttct ctctggaagt acattttcag actgtctcat 120
 ggtggtgcag ttcttacgaa actttggtta agttttgggc tttgatgtga atattgatgt 180
 tccaaacctg agtgttcttc aagagggatt gctaaatata ggggacagca tgggtgaagt 240
 acaagacttg cttgtgaggc tcctctcagc tgctgtatgt gatccaggtc taataacagg 300

<210> 635
 <211> 275
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(275)
 <223> n = A,T,C or G

<400> 635
 gaaatacttt gagcagctct gtgggggtgta aaccttctgg tggggactga aaatggcctg 60
 atgcttttgg accgaagtgt gcaaggcaaa gtctataatc tgatcaaccg gaggcgattt 120
 cagcagatgg atgtgctaga gggactgaat gtccttgatga caatttcagg aaagaagaat 180
 agagctacga gtttactatc ttcatggcc agaacgcaga atactacata atgaccaga 240
 gngtnaaaat ttaaatcang gncntatca ctgtt 275

<210> 636
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(300)
 <223> n = A,T,C or G

<400> 636
 actaactggg ggattttatt tataagggt ctagaaaaaa cgagttattc acaccagcat 60
 catcttaact aacattctga actagtagt gctgcttttt attntgtntn ntcttnttnn 120
 ntttntntn ncttnnttt cnantnttn tntnttttt atctcttnt ntcttnttt 180
 ttntntttct ttntntngtn tntnnantat tctattaggt ntntcatttg ngtttntctn 240

nttttnttgt ntcgctnttc ttggnctnctn ttttntnnnt tatttntttt nttttggttt 300

<210> 637
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 637
 gaacatccca ccccccgca gccagtgtc cttgtcaagc tcccccgtc actccagggtg 60
 ggagccaccc cggtagggg gtgtgccact tgtccccagg gcactcctct gggcatcccg 120
 ggtgggggat tttggggccg tggggggcag tctctggtag ctgtgtgcgt cagggatgct 180
 ctgcacctgc aaccagggtg cgtccacggg cggggggcatg gtaacagtgg tcctgttgat 240
 gtcaccgatg atgtgagcg cctccttcag cgcgtgggtg atgtgcagca tctcgtcgtg 300

<210> 638
 <211> 266
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(266)
 <223> n = A,T,C or G

<400> 638
 gaagccagcc aacttcttgg atcttggagg tgggtgtaaag gaagctcaag tatatcaagc 60
 attcaaattg ctcacagctg atcctaaggt tgaagccatc cttgtcacta tatctggagg 120
 tatagccatn anaaggctgc aattaccaag gnatcancaa ccnattgcat tcatntnatn 180
 cntcagggtc acgtgnaggc ntgggaggtt taantagcaa ngntnnnnnn acangggcta 240
 canncaatnn nccccgtant atcnna 266

<210> 639
 <211> 275
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(275)
 <223> n = A,T,C or G

<400> 639
 ggaggccaca gtaaacctcc tcacagccca ctggtectca agagggtgcca cgtctccaca 60
 catcagcaca actacgcagc gcctccctcc actcggaagg actatcctgc tgccaagagg 120
 gtcaagttgg acagtgnacg agtccngnna cagatcacnn tctanctnaa tctncaactca 180
 nnctncagnt tncttggncn cnngtangnn aatngnaant nnnnnntttt tttcnntana 240
 tnnttcttnn actnttnnnc ntngtnnatt ttctt 275

<210> 640
 <211> 269
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(269)

<223> n = A,T,C or G

<400> 640

actacttttta tttataagga aagtttctct attttgttta taaacattaa accagtgtctg	60
tgtgaaggca cttaattggg gggaggtgtg ggaggtttnc angccctac cacnnntnac	120
nncccatanc ccccatgtg tgnnaaaan ggggantnga nttactanca ganntancca	180
cctanntnan nccccncc atgccncat nnnangnggc tgcctntnac gaanannnn	240
ctggnnanag nncctanncc ttnnnatth	269

<210> 641

<211> 295

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (295)

<223> n = A,T,C or G

<400> 641

aagagtgaaca agcattggta acagtgcctt agaactgtgt cagttagtct gatttggaaa	60
tcctttatgt aaagctgaga ctggtcctgg ttttgtccc tttggctaca gacctnttgt	120
ccnagntcta ntgtnnccat tncggccttt ncagntnnnt gnattcctcc ntatcnnntt	180
tctntntnc ctttatnttc ctgttcttta ttttncttt anntcctcng tggatctcta	240
ttnntttcta ngnggcctct tctnnttgg anttntntc tntnntcct tgtec	295

<210> 642

<211> 262

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (262)

<223> n = A,T,C or G

<400> 642

ctgtaaatga caaaagaaaa agaaaaattg agccttgga cgtgccatt tttactgtaa	60
attatgattc cgtaactgac ttgtagtaag cagagttnt gnnnncnang nattgtagac	120
tttntatnn tnattnnn nngantnct tntnaattn cttntaatn tnnacattna	180
tgnttcnttt annttannn ttantntta ttgntntct nnnnttttt ntnctttna	240
ttttntttt actnttatt tt	262

<210> 643

<211> 272

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (272)

<223> n = A,T,C or G

<400> 643

ggagaattcc cttattgtc acttctctga gcttcaaggt tctgaagcat ccagataaga	60
agttccgggt tggccaggcc ctgaggcca ccgtgttgg ccagattcc tccaagacc	120

tcttatgtct gtccttcaca ggtcctcaca agcttgagga aggggangtg gccnnngccg	180
ntcggtgann gtgatnnann aacnngnnnc tcncnnntcc tcttcnccn tgctnnncann	240
nnannancnc nctnnttcac tgaccgactt ct	272

<210> 644
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 644	
gatgtgtctg gtgtgggttt cccaagcaag gttccttga agaagatgtc tgcagaggag	60
ctggagaatc agtactgtcc cagccgatgg gttgtccgac tgggagcaga ggaagccttg	120
aggacctact cacagatagg aattgaagcc accacaaggg cccgggccac caggaagagc	180
ctgctgcatg tcccctatgg agacggcgaa ggggagaaag tggacattta cttccccgac	240
gagtcgtctg aagccttgcc tttcttcctg ttctttcacg gaggatactg gcagagcgga	300

<210> 645
 <211> 288
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(288)
 <223> n = A,T,C or G

<400> 645	
ttttgacctt gaaacgatga tcctcaaggt ccttctcagc actggtattc cctgaaggca	60
ttggatgaat aacggagatt ctaacagtct ctgttaagac aggatngta aagnggncnn	120
tgancttnaa tntnttccct ntannanttt ntngnannnn ggantncttn attttttttg	180
atngatnnnt ganattttta nttnttttgt tttnanntng ntttnanann nngcnntttt	240
tagggngta nnttnactt ttatttanct ntntnnggna ttttggtt	288

<210> 646
 <211> 259
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(259)
 <223> n = A,T,C or G

<400> 646	
gccatcttcc agtaattcgc caaaatgacg aacacaaagg gaaagaggag aggcacccga	60
tatatgttct ctaggccttt tagaaaacat ggagttgttc ctttggtcct tatatngcna	120
atctatntnt tnggcannnn tntncntgtt tttttcnatn nttttttttt tttttttttt	180
ttgntcncnn agntttaata aaattttttt ttanccnnn tattanncta ncntttatnt	240
nnaanatan ncnattngt	259

<210> 647
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1) ... (300)
 <223> n = A,T,C or G

<400> 647
 tgccccaga actgtcctgg ctccttccgt attaaacgca tttgcatttt gagaagtgtc 60
 cttccactt cagccctcgg gagagactac cctagtcttt ctggggtggn gatgaactaa 120
 gntgaagct ggcctatntg ctgagagggt angancngaa gtganannng nntnaatgcc 180
 cactngaag aagctgagag agagatctan naaaagctan aactcatgnt gtctatcttt 240
 gaacttggga naaaccaca aggtgctgct gcttatatct gngaagcact ancttattct 300

<210> 648
 <211> 270
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (270)
 <223> n = A,T,C or G

<400> 648
 agcatatgct tgtctcaa at tgaaaaacgt attcaagaaa tcattgagca gttagatgtc 60
 acaactagtg aatatgaaaa ggaaaaactg aatgaacggc ttgcaaaact ttcagatgga 120
 gtggctgtgc tgaagggtgg tgggacaagt nctgctttga ttcnnttcnn ncannngnnn 180
 cntcntttan ntncnttatn nnnccctnng annnncnntn cctnngcntn nnnctcnntn 240
 nctntnttt cnnnnntcnt ntnttantnc 270

<210> 649
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 649
 ctgttgatcc aagtgtagcc tgaagcgaaa gaggagcctt ccagaccat gccatatata 60
 aacacacgtg ggtgtgcatt ctccccccac accttctgtg caaagctggg agctcactcc 120
 actgcgtctt gcttttttct acttggcaga tcttggagat tgttccacat cagtacataa 180
 agtacataaa gattgtcacc ccacaaatc acaccaagtc ctattttcat cagcgataaa 240
 aaagaaaagt tcttgctttc cggaagcttg catgcggctc tgagtaccca gtgacaccag 300

<210> 650
 <211> 281
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (281)
 <223> n = A,T,C or G

<400> 650
 tccagtgcga acggccagac ctgacctgcc agctccgggc gtggggtgaa atctcttgat 60
 tcctagtctc tcgatatggc acctccgtca gtctttgccg aggttcgcga ggcccagnct 120
 gnnctggcgt tnnagctnac tggcnacttc agngaggata cgganccccg caaggacaan 180
 ctgcaanngc gagagtatca tggacactna nggactgntg ctttcatgta cttccantgn 240
 tggatcatgg tatgacnaca ttttancnan ntgncaattg a 281

<210> 651
 <211> 273
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(273)
 <223> n = A,T,C or G

<400> 651
 gggatcccga gctgtcctgc agctgtaccc tgagaactca gagcagttgg agctgatcac 60
 aaccagggcc acaaaggcag gcttctccgg tggcatgggt gtagactacc ctaacagtgc 120
 kannntatan naatnttcct ttgtttana tntgaccttn ttncnntnnt nctnttngct 180
 ntntatnnac ttnttcnaaa nctncttngn gtgntcngtt ctatctatnt atntntntnc 240
 tcntttcntt tntgnanttt tgattntatt tat 273

<210> 652
 <211> 267
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(267)
 <223> n = A,T,C or G

<400> 652
 cttgggctgc ttattacgct cactattatc aacagcaagc acagccacca ccagcagccc 60
 ctgcagggtgc accaactaca actcaaacta atggacaagg agatcagcag aatccagccc 120
 cagctggaca gggtgattat accaaggctt gggatgagtg ctncnnnata atggntcnnn 180
 nnnntnnnt ncttntnt nttaaantnna nnnancntga atttancnnn attcataaac 240
 nnnatnnntc nncntntnt aantcta 267

<210> 653
 <211> 252
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(252)
 <223> n = A,T,C or G

<400> 653
 cccaggatgc ccttgagggg gccctcogac gcctgcttca ccaccttga cgctggggct 60
 ggcattgccc tcaacgacca ctttgtcaag ctcatctcct ggtatgacaa cgaatttggc 120
 tacagcaaca ggggtgtgga nntnatggcc nacatgggnt nnatnganta tnaanntggg 180
 atgtncnng ngnatcnann nnnnecgatt cnttntttnt antttctgtn tnnctntnaa 240
 tntcgnnttt nt 252

<210> 654
 <211> 260
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(260)
 <223> n = A,T,C or G

<400> 654
 aagactttct cctaattgctt ggaaaacccat aactgacata gttctaaatg gcacagtctt 60
 cgtgacacta gatattggaa aacaactaat taaagctcat aaaggagcag cattcctttt 120
 tatttctacn attnntgttn atactgtatn nntnntnnn ttcctatect nnnnttntnn 180
 atttncntnt ttntnttatt cttntnnntan tattgnattt ntnanttnaa nngnntcgtt 240
 gnnntttttt gnnnttttat 260

<210> 655
 <211> 266
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(266)
 <223> n = A,T,C or G

<400> 655
 attttcaatt tggagcatta actaaatgct catacacagt taaataaata gaaagagttc 60
 tatggagact ttgctgttac tgcttctctt tgtgcagtgt tagtattcac cctgggcagn 120
 gagctgcca gctttctggt gnttctctgn tccnctntc tattnnnnnt nctntccgn 180
 cnnncctntt cctctggann cttcttctc tctntntttg tctnnntngn nctntctnc 240
 tnnanctttt nntttntcnc cncnng 266

<210> 656
 <211> 291
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(291)
 <223> n = A,T,C or G

<400> 656
 gtggagctac agatgaagat gatggagctt gctaataaat cccttcccac cccaagcttc 60
 ctttatgact gataactagc tccagctgcc ttttaagttca gtatccctag tgagctgact 120
 ttcccacatc tgctctcttc tgctactttt tctgctcctc ctanacnntg ttgntctctc 180
 tttagcggcn gcctactcta nntncntttt ngtttangnn cctaaananc cgggntnacn 240
 aatncttgcc ttgatctnc nnttttnggn gttntntttt taatttttga a 291

<210> 657
 <211> 264
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(264)
 <223> n = A,T,C or G

<400> 657
 ctttggaac aatatgcaat gtgaagcggc cgtgtgtgtga gtttagtaag gctgtgtaca 60
 ctgacacctt tgcaggcatg catgtgcttg tgtgtgtgtg agtgtgtgtc cttgcgcatg 120
 agctacgcct gcctccactg tgcagacctg gtatgtggca tgaacatnag gaaggcctct 180
 tttcatgac atggcntnca anagtgtctc gagcncntc tttgncatga tacaaccga 240
 tgctntntga ctgatgactc tgnt 264

<210> 658
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(300)
 <223> n = A,T,C or G

<400> 658
 ttagccagga tggctctgat ctctgacct cgtgatccac ctgccgcggc ctcccaaagt 60
 tctaggatta ctggcatgag ccaccgtgcc tggccagcaa ttagaatttt aacactggca 120
 gttatgaata atatgaagga gangtnnana tctgannan nntggattag cnntcnnttg 180
 ngctnctttc cgttcatctc atccacagct ttctgtgcat cttcatgcct ttcaaagctt 240
 acaaatccaa atccttttga ttttccactt tcatcagtca ttactttcac acttaaggca 300

<210> 659
 <211> 270
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(270)
 <223> n = A,T,C or G

<400> 659
 aattagggt gctgtgatat tgtcagcttg cattaacaat tagaagatag agaaccgcc 60
 atcagggtgt ctacctaact tctcaggac tacacttggc agcnttccac cattnanaga 120
 acngnnanct annancntt tgcnnntta ncccaanngc ttncctactt ctcannttcc 180
 ttngncccta nnnnnatnnt nnnatctttn cccctagtnc ctnccttnnc gccatcttct 240
 ttntntnnnt tgncttnann ttntntnt 270

<210> 660
 <211> 266
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(266)
 <223> n = A,T,C or G

<400> 660
 aggacagaaa aatgggtggc attggaggga attttggaat gtaaagtgtg tgggttaggg 60
 actactggac atactgggag tacagtttgg ttaatgagcc tgaagtctg gactaagngg 120
 taagttccat ctggcttttt aacagggtact aattgntgtg tnnagtnagg gagttttttg 180
 ntntttnttt nnnntntnnn tntctttttt tantntntnt ctncctcttc tccttntttt 240

tntntntntcn nttntntnt ttttct

266

<210> 661

<211> 266

<212> DNA

<213> Homo sapiens

<400> 661

gttaacaagc gtcataaaca ggatgcacgt ggtcagcgtc ccctacgcgc tgatgaaggc	60
gaaccctactc tcctggatcc agaaagtgtg cttctataaa gtcggggccg cgctggtgaa	120
gtcgcgagac atgcactggt ctctcctagc tcagcggggc cagagggacg tcagcctcag	180
ctcactgcgc atgctgattg tggccgatgg tgccaaccgc tggtcgatct cctcctgtga	240
cgccttctc aacgtcttcc agtcca	266

<210> 662

<211> 300

<212> DNA

<213> Homo sapiens

<400> 662

agaagaagca gttgaacagt tctttagagt tgggtgaaaa aaaatcatag ccccaactaa	60
aaatgctggg gtcacaattg aagaggaaaa aaattcaca ttgacctgaa tagtaaattc	120
tctaattgtg gatcttgc ataatgaaaga tctgggttaa gccctcaagt ctaatgattg	180
ataccaagga aggcattctg cagtattgcc agaagtctac cctgaactgc agatcaccaa	240
tgtggtagaa gccaaccaac cagtgacct ccagaactgg tgcaagcggg gccgcaagca	300

<210> 663

<211> 264

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(264)

<223> n = A,T,C or G

<400> 663

ctgcactgtg aacctgggca ctccgcgcgc atgccaccgg cctgtgggtc tctgaaggga	60
cccccccaa tcggactgcc aaattctccg gtttggcccg ggatattata gaaaattatt	120
tgtatgaata atgaaaataa aacacacctc gtggcaaaaa aaaaaaaaaa aaaaaaaaaa	180
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaatt aaatataatt taatannana	240
aaaannanaa naanntntnt anat	264

<210> 664

<211> 147

<212> DNA

<213> Homo sapiens

<400> 664

gctcggtttg agggctcggc gcggggtttc ctgttcctcc ttctgcgcgg ctgcagctcg	60
ggacttcggc ctgaccacgc ccccatggct tcagaagagc tacagaaaga tctagaagag	120
gtaaagggtg tgctggaaaa ggctact	147

<210> 665

<211> 280

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(280)

<223> n = A,T,C or G

<400> 665

aattcaaggc ctgtcgagcc tctagaacta tagtgagtcg tattacgtag atccagacat	60
gataagatac attgatgagt ttggacaaac cacaactaga atgcagtgaa aaaaatgctt	120
tatttgtgaa atttgtgatg ctattgcttt atttgtatcc attatatgct gcngntaaac	180
tagnnanacan ctacnnttgc nttcatttta ntttnnagtt ntntnnntnn tttttgttgn	240
ttttgttnta ntttntctntc tttatntntt tttttttttt	280

<210> 666

<211> 288

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(288)

<223> n = A,T,C or G

<400> 666

gtaggggagg ggctcctttc cataaatcct tgatgattga caacacccat ttttcctttt	60
gccgacccca agagtttttg gagttgtagt taatcatcaa gagaatttgg ggcttccaag	120
ttgttcaggt cctctgacac cttttggtat cgtaattttt actgatttgt gtagaatgtc	180
agttgtattt taccagctaa tatctagaaa tgctggcaag aggggtttac tccagcttta	240
gattgnaggt atgctacctt nttcataca gngnnttann nttactga	288

<210> 667

<211> 163

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(163)

<223> n = A,T,C or G

<400> 667

tgaaattcag ctaaccgagc agctacggtc cctcatcccc aacgaggatg tgagaaagtt	60
catgtctcat gttatctgga ccttgaaaat ggaatgttca gaaacacatg tgcaagggag	120
ctgtgccaaag ctcatgtcgc gaacaggcct nctgatgaag ctt	163

<210> 668

<211> 262

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(262)

<223> n = A,T,C or G

<400> 668
 ataaaaatcga taaggaaaaat cgtgaagtcg atagaaatga aggcctgaaa ttgacacgaa 60
 agcattccat gttatttata gaggaagtg caaaaacctg tgatggtgta caatgtgcct 120
 ttgaagaact tgctgaannn atcnttcana cccntggact gtgntaacng tncntntcnt 180
 cntnncnntt nntacctctt cnnggnnncn ntccctattn ggnatntntt ntngnnnnng 240
 nctnancctt ttannttttn tt 262

<210> 669
 <211> 291
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(291)
 <223> n = A,T,C or G

<400> 669
 accaagtgcga tttagttgaa tgaagtcttc ttggatttca cccaactaaa agtattttta 60
 aaaataaata acagtcttac cttaaattatt aggtaatgaa ttgtagccag ttgttaatat 120
 cttaatgcag atttttttaa aataaacata aaatgattta tctgtatttt aaaggatcca 180
 acagatcagt attttttcct gtnatgngat ttttnnantt tgnncattt tannntantt 240
 nanntgttna tntttntct anntcttatn tttntngctt attttttttt t 291

<210> 670
 <211> 264
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(264)
 <223> n = A,T,C or G

<400> 670
 acaagaaaaa tgattcaaaa aactgctgag ccacttttgg ataaggaatc aatttcagag 60
 aatcctactt tgattttacc ttgttctata gggagaactg agggaactgc acattcatcc 120
 agtacctcag atgtggatnn nccggngct tctnnggctn tttannttnn ttcnnngtnc 180
 ntntntgga nttnttattc tnttncntcg tncantngtg ccttactnt tntcntnnnc 240
 cnntanntgn tnnnannggt cntt 264

<210> 671
 <211> 261
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(261)
 <223> n = A,T,C or G

<400> 671
 gctcactgaa gcttaagtga ggatttcctt gcaatgagta gaatttcctt tctctccctt 60
 gtcacagggt taaaaacctc acagcttgta taatgtaacc atttggggtc cegcttttaa 120
 cttggactag tgtaactcct tcatgcaata aactgaaaag agccatgctg tctaggctac 180
 aacnnnttn tnnaannggn nnnnnngctt tnngcnccn tttgnnccn gnggggaann 240

```

nnnaccennn aaccnntttt t                                     261

<210> 672
<211> 251
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(251)
<223> n = A,T,C or G

<400> 672
attcattttct ctaacagcag taatattaat aattttcatg atttgagaag ccttcgcttc      60
gaagcgaaaa gtcctaata tagaagaacc ctccataaac ctggagtgc tatatggatg      120
ccctcacc cacaaccacc accaccacaa taaacaagtt gctgacagcg gaaaaaaaaa      180
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa anaaaaaaaaa      240
ataaatnntn t                                                         251

<210> 673
<211> 300
<212> DNA
<213> Homo sapiens

<400> 673
ctgggtttca ccatattggc caggtgggc tcgaactcct gacctgggta tccccgcct      60
cggcctccca aagtgccagg attacagacg tgaagcactg caccgcgcc acactgtagt      120
tttttagca gacagtttca tggcctactt cactaagtag atggagatat ccccccatct      180
tccatggaaa tgtctttctt acttgectct tatttctcta tcttagaaaa agaggaatcc      240
agtcgggctc ggtggctcac acctataatc tcagcctcct gagtagctga gactacagcc      300

<210> 674
<211> 267
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(267)
<223> n = A,T,C or G

<400> 674
accagattgt tttgcttcag cctcagggtga tcagactctg agaatatggg atgtgaaggg      60
agcaggagta agaatcgtga ttcctgcaca tcaggcagaa atcttgagtt gcgactgggtg      120
nacatncnat ganaatttgc tggngancnn tncgnttnan tntttntn tntntntnn      180
ntgnttttn tcnntatatt tntntnttn nntnacncnn ntcnagtng tcnngnatct      240
ctnttttgnn nttntntntt gtccgtt                                         267

<210> 675
<211> 266
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(266)

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<223> n = A,T,C or G

<400> 675

ctccaaaggtt	ggctccacgg	aaaacatcaa	gcatcagcct	ggaggaggcc	gggccaaagt	60
agagaaaaaa	acagaggcag	ctgctacaac	ccgaaagcct	gaatctaata	cagtcactaa	120
aacagtcggc	ccatttgcca	aattgcnnnt	tcntntnnnt	ntatattgtn	ttntnnttgt	180
tttaantntt	ntncntntaa	ctnntntnnn	ttcttttnan	ganntnttn	nnattntntn	240
cgtntttttn	attnaattng	ttnttt				266

<210> 676

<211> 300

<212> DNA

<213> Homo sapiens

<400> 676

agaaaagattc	tcgcttaaaa	aaatgtattt	attttatggc	aagttggaaa	aaatgtaact	60
ggaatctcaa	aagttctttg	ggacaaaaca	gaagtccatg	gagttatcta	agctcttgta	120
agtgaagttaa	tttaaaaaag	aaaattaggg	tgagagcagt	ggctcacgcc	tgtaatecca	180
gaacttttggg	aggctaaggt	gggtggatca	cctgaggtca	agagttccag	accaggctgg	240
ccagcatggt	gaaaccccg	ctgtactaaa	aatacaaaaa	attaactggg	catggtagtg	300

<210> 677

<211> 300

<212> DNA

<213> Homo sapiens

<400> 677

ggtagaagca	gcaaagaaag	cccaccatgc	agcgtgcaaa	gaggagaagc	tggtatcttc	60
acgagaagcc	aacagcaagg	cagaccatc	cctcaaccct	gaacagctca	agaaattgca	120
agacaaaata	gaaaagtgc	agcaagatgt	tcttaagacc	aaagagaagt	atgagaagtc	180
cctgaaggaa	ctcgaccagg	gcacacccca	gtacatggag	aacatggagc	aggtgtttga	240
gcagtgccag	cagttcgagg	agaaacgcct	tcgcttcttc	cgggagggtc	tgctggaggt	300

<210> 678

<211> 291

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(291)

<223> n = A,T,C or G

<400> 678

gagagagaga	gagagagaga	gagagagaga	gagagagaga	gagagagaga	gagagagaga	60
gagagagaga	gagagagaga	gagagagaga	gagaganann	gaganagana	nagagagagn	120
gagagagaga	ganagagagn	gnnngagann	nagagnngnn	cntcatctgc	ttntcncac	180
gcactcncnc	ctgnccctnc	gtttnttgnt	tcctgatctc	acttccgtct	ngctcactct	240
cnctngctgg	ngattctgnc	ctgnnaacnn	atactnantt	ttntcttat	g	291

<210> 679

<211> 297

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(297)
 <223> n = A,T,C or G

<400> 679
 gagtcaggaa ggtaaggcgg ggagtgactg aataaactct gcctttttaa ttgagcatct 60
 gggccgggca tggtagctca cgcctgtaat cccagcactc tgggaggctg aggtgggacg 120
 tgtcatgctg atccagtttg tgaacgtgct gctncaggtc ctggtccaca agtcccatga 180
 tcttntnnan gaggagattg gcatcgccat ntacaacatg gcctcagtca antttgatgg 240
 ctcgtttgcc gnnntnctnc cngagttcnt gaccnctnt natnntgtng attcctg 297

<210> 680
 <211> 266
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(266)
 <223> n = A,T,C or G

<400> 680
 gaacctcatc aggaggactg aaggaaagga gccaggctgc agccctctgc ctgcccttcc 60
 gtgccatcat ctccaggatt aatgaaaggg ccattcagga aacagcacag ggagctacaa 120
 atttacgggt tccactggta ttgatctttt catccagcac aatggacaga agtctaagga 180
 acgtccttgt ggtttccttt gggttcctgc ttctctttac agcctatgga ggtctgtaga 240
 gcttgcnag cagtngtac agttag 266

<210> 681
 <211> 259
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(259)
 <223> n = A,T,C or G

<400> 681
 ggacagcact tagtagctgt ggaggaagat gcagagtcag aagatgaaga ggaggaggat 60
 gtgaaactct taagtatatc tggaaagcgg tctgcccctg gaggtggtag cacgggtcca 120
 cagaatntag tanaacttgc tgctgatgan gatgatgacg atgatgatga agaggagat 180
 natnnnttgn nnatntnctt nntntntttt nnnncnnntg ttgntntttt ntncccnnn 240
 ntannataaa ttgntnttt 259

<210> 682
 <211> 295
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(295)
 <223> n = A,T,C or G

<400> 682

```

cctttgaatg taaagaatgt ggaagatcct ttagaaatc ctcatgcctt aatgatcaca      60
ttcaaattca cactggaata aaaccacaca agtgtactta ctgtgggaaa gccttcacta      120
gatcaactca acttactgaa catgtaagaa ctacactgg aataaaacc tatgaatgta      180
aggaatgtgg ccaagccttt gctcagtact cgggcctttc tatacacata cgaagtetca      240
gcggnangaa nncctatcag tgnnaggat gtngannng cntcnctact ccctc          295

```

<210> 683

<211> 300

<212> DNA

<213> Homo sapiens

<400> 683

```

actataggcg cccaccacga cgcccggtta attttttcta ttttttagtag agacgggggt      60
tcaccagggt agccaggatg gtctcgatct cctgaccttg tgatccgcc gcctcggcct      120
cccaaagtgc tgggattaca ggctgagcc accgtgccc gcctacaaat gttaacaaag      180
caattaccaa tggccttttt acatatattt tctttaatga ggaataatat gcatgtagaa      240
aagacctact taaagtcttc atttatattc tttcaaatca aatctttatt taataactta      300

```

<210> 684

<211> 291

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(291)

<223> n = A,T,C or G

<400> 684

```

aatttggtc gcagcgcagc cgtggcccg gcttcctctc actcatccca gacacagggt      60
gggggcagcg tcacaaaaa gcgcaactg gactccactg agagccgcag cagcttctca      120
cagcagcac gcactancgg gcgcgtggtc gngnaggagg agnnctagg gacgtatctg      180
ctatgaaaat cccaaanttt tcagatagng ccctaaaaac aattttatat gccnactg      240
ttggtattct taggntattc ccacacttga ctttatcatt ggtactacta g          291

```

<210> 685

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(300)

<223> n = A,T,C or G

<400> 685

```

agagagagag agagagagag agagagagag agagagagag agagagagag agagagagag      60
agagagagag agagagagag agagagagag agagagagag agagagagag agagagagag      120
agagagagag nnattnnctc tntntnctcc tctctctcnt tttntcccc ctnttttccc      180
ttntttnttc gntntttntc nttcntntt ctctntctcg tctcnnntnt nttntnttn      240
cctctccttt tttctntctc ctnttnntcc ttcctnctnt tcttggtctc ttctttcttt      300

```

<210> 686

<211> 238

<212> DNA

<213> Homo sapiens


```

<400> 686
gaaatacttt gtgcagctct gtgggggtgta aaccttctgg tggggactga aaatggcctg      60
atgcttttgg accgaagtgg gcaaggcaaa gtctataatc tgatcaaccg gaggcgattt      120
cagcagatgg atgtgctaga gggactgaat gtccttgtga caatttcagg aaagaagaat      180
aagctacgag ttactatct ttcatgggta agaaacagaa tactacataa tgaccag      238

<210> 687
<211> 285
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(285)
<223> n = A,T,C or G

<400> 687
cgagccacaa gctgcactgt gaacctgggc actccgcgcc gatgccaccg gcctgtgggt      60
ctctgaaggg acccccccca atcgactgc caaattctcc ggtttgcccc gggatattat      120
agaaaattat ttgtatgaat aatgaaaata aaacacacct cgtggcaaaa aaaaaaaaaa      180
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aataaannnn nnnnnaaa      240
aaaaannngg gnnntnnnna nnaaaannnn aaaaaaaaaa aaac      285

<210> 688
<211> 253
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(253)
<223> n = A,T,C or G

<400> 688
cgagccacaa gctgcactgt gaacctgggc actccgcgcc gatgccaccg gcctgtgggt      60
ctctgaaggg acccccccca atcgactgc caaattctcc ggtttgcccc gggatattat      120
agaaaattat ttgtatgaat aatgaaaata aaacacacct cgtggcaaaa aaaaaaaaaa      180
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaannnc nnnntnnaa      240
aaaanttggt ggg      253

<210> 689
<211> 262
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(262)
<223> n = A,T,C or G

<400> 689
ccagcattca aaattcccat gcttagggaa tccattggga cttctcccca ggatgtactg      60
aattcaagga agctttctct aggtgtagca gaaactgtg ctgnnatgtc tctgtcacc      120
aggacgtngg ttctntntac agncctttat ttgntnnnnn tggnggnant agnttntngn      180
ccctggannc tagnnnantg gggntnnnan ntntgggtan ttngcgtcat nttcnnttgn      240
nnattacnnn ntntgntgcn tt      262

```

<210> 690
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 690
 acaccttcat tgctgtatct cgggtgtgta tcagctctcc aactctatgt cataattcag 60
 ttcattggga tcttgattac ctttcccttc cacaaaatat tacactgatt gggtatatcg 120
 atgacattat gctgatttga cctagtgage aagaagtagg aactacatta gacttagtgg 180
 aaagacattt gcatcagagg gtaggaaata aatatgacta caattcaagg gccttctacc 240
 ttagtgaaat tggtagggac ccagtgcacat ggggcatgtt aggatatttc ttctacggtg 300

<210> 691
 <211> 264
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(264)
 <223> n = A,T,C or G

<400> 691
 atagcactga tgctgggcca acaattagcc ccatttgtac ctttttacia actttttgac 60
 aattgccaaag aatcgctccac cttccctccc cattgaatta aatacacttc ttgtctcatg 120
 gatactcaga ataccaatca aggtaacaga tgcctttatt ttaactaagg acacagtaca 180
 gatctcacag ggacactcct tattccttgc agagtttcag acactactga gggtcacat 240
 agcancnttt natcngaann cnca 264

<210> 692
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 692
 ggataccgta tcgacgtggg gcctccggtt gctgctaaat gggaaaaact tagcttagta 60
 ctgatagatg actttattga aagtggaaact gaacaagtag tcctactttt taaggactcc 120
 ttgaactcag actgcctgac ttcatttaaa ataacggatc ttggaaaaat aaactattcg 180
 agtgaaccat cagattgcaa tgaagatgac ttatttgaag acaacaaga gaatcggtac 240
 ctggtgggtc cacctctaga aacaggactg aaaagcacat ggaagatctt ttgcacttc 300

<210> 693
 <211> 282
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(282)
 <223> n = A,T,C or G

<400> 693
 atgaaccatc tgcttttaat gattttcaga ggccagccat ttattacatg atgtcattca 60
 gggattggta tgagatgcaa gatgctggaa ttacttcaga ctcaatgatg aagaacttct 120
 tctttgtgcc ttcttgcntt cacntgagcc nmanacgctc gcttttcngn tgcngcttaa 180
 actggccttn ccgctnnnt anntntgctn ntggacnccc catacgtacg cntcctttnn 240

ctnnnnngncc aggtcatnga tncnttcctn accntcaaatt tt

282

<210> 694
 <211> 300
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(300)
 <223> n = A,T,C or G

<400> 694

cccaagcccc atctcatcct ggcacgccct actccactgc cctggcagca gcagggtgtgg	60
ccaatggagg ggggtgctgg cccccaggat tccccgagcc aaactgtctt tgtcaccacg	120
tggtgctcac ttttcatact tccnnaaatt acctagnccn cgnnntaaca tggannngnc	180
tgttgcctta nctaanggna caaccataac ctggctgccc atcatgtggg ccnacccaat	240
caagggnnaga atgangaatg ctngactgga nccccctgga nccanatggc nanagggtga	300

<210> 695
 <211> 300
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(300)
 <223> n = A,T,C or G

<400> 695

gcctggacac tgcaatatac atacatacat aaacataaac cggaaatcca tatgagcttg	60
gaggtagagg agtgggtggg gttggatttg gtgggtgggtg ggaccctttn tgggtccttc	120
ctggtncctt gagggcncna tnaggagtcc nttacttcct ttcttccttc atattttaca	180
ggcngatgct tttcttataa tctaattaca tctttttatt tgttatatat tacaaccat	240
nacacttata aatacttccn ngaantgctt ttttgaagtg tgaattaatn tnaaatgggg	300

<210> 696
 <211> 255
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(255)
 <223> n = A,T,C or G

<400> 696

gccccctgtt catctgtgtc ttctgcaaac tagtctcatg aagaattctg gcgtgcagcc	60
agggtagctg aagtttgggt ctgggactgg agattggcca ttaggcctcc tgagattcca	120
gctcccttcc accaagccca gtcttgetac gnggtncatg gnataccnga ctnccttngg	180
gcctnanttc ncnctttctt tttgtgtngn tentaantna tnantntntt nntntngtt	240
nntntctccc ttntt	255

<210> 697
 <211> 293
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(293)

<223> n = A,T,C or G

<400> 697

cgaagctctc	tacgacattt	gcttcagaac	cctaaagctg	accacgcca	cctatggtga	60
cctgaaccac	ctggtgtctg	ctaccatgag	tggggtcacc	acctgcctgc	gcttcccagg	120
ccagctcaat	gctgacctgc	ggaagctggc	tgtgaacatg	gtcccgttgn	cnangatgca	180
ctnattnttg	ncennatttg	gccccatgaa	cagacgggnc	gnntgtcann	atctggccct	240
agnatacggc	tnnannatac	ancgtgagac	agntgtttnc	ataanagtgg	ctg	293

<210> 698

<211> 257

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(257)

<223> n = A,T,C or G

<400> 698

gacaacgaaa	gttacttggg	cttcttgagg	attacttgta	tggacaaaact	accacatc	60
tgacatataa	tgacttcac	aacaaggaac	ttatcttggt	ctcaaattct	gataacgaga	120
gatctatccc	ttctatgggtg	gatggnttga	acnnttanna	nanaannntn	nnntattcat	180
aattacanc	ctnacnnaca	nnnactnann	gnacncnana	nnnnnatnaa	ttacatntnn	240
atnntatnct	nnnnct					257

<210> 699

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(300)

<223> n = A,T,C or G

<400> 699

caaaggggac	tatcctctgg	aggctgtgag	catgcagcaa	gatctacgtg	gatgatgggc	60
ttatttctct	ccaggtgaag	cagaaagggtg	ccgacttcct	ggtgacggag	gtggaaaatg	120
gtggctcctt	gggcagcaag	aagggtgtga	accttcctgg	ngctgctgng	gactngcctg	180
cttngtccca	cancgncctt	cnanntctgn	tgtctnctnn	atntntngtg	tggtncntnn	240
ntntntcctt	annttntcnc	tactttttng	tgangnnncc	cantgannna	anccttgtcc	300

<210> 700

<211> 255

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(255)

<223> n = A,T,C or G

<400> 700

ctgaaagtag ctaaggcacc ccagccggag gaagtgagct ctcctggggc gtggttggtc	60
gtgataccttg catctgttac ttagggtaa ggcttgggtc ttgccccgca gaccttggg	120
acgacccggc cccagcgcag ctatgaacct gnancgantg tccnttgang agaaattgan	180
cctntgccgg angactacc tggtnnnngt tngnttnatc tnnnngtnct tatctgtctn	240
nnncttntcc tcatt	255

<210> 701

<211> 300

<212> DNA

<213> Homo sapiens

<400> 701

acttggtgcaaa tgttgctaac aaccacaagc agaatttgat gacgggtggca aaccttggtg	60
tgggtgtttgg acccactctg ctgaggcctc aggaagaaac agtagcagcc atcatggaca	120
tcaaatttca gaacattgtc attgagatcc taatagaaaa ccacgaaaag atatttaaca	180
ccgtgcccga tatgcctctc accaatgccc agctgcacct gtctcggaag aagagcagtg	240
actccaagcc cccgtcctgc agcgagaggg ccttgacgct cttccacacc gttcagtcaa	300

<210> 702

<211> 300

<212> DNA

<213> Homo sapiens

<400> 702

gtgaattgag ggaatctttg tctgaagtgg aagaaaaata caagaaagcc atggtttcca	60
atgcacagtt agacaatgag aagaacaatt tgatctacca agtagacaca ctcaaggatg	120
ttattgaaga gcaggaggaa cagatggcag aattttatag agaaaatgaa gaaaaatcaa	180
aggagttaga aaggcagaaa catatgtgta gtgtgctgca gcataagatg gaagaactta	240
aagaaggcct gcggcaaaga gatgagctta ttgagaaaca tggcttagtt ataatccccg	300

<210> 703

<211> 262

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (262)

<223> n = A,T,C or G

<400> 703

tgaggctcag tacgtattcc tgcatacagt catectgagg ttccctccaac agtcagccca	60
ggccccagcc gagaaggaag tcccgtatga ggatgtcgaa aacctcatct acgagaacgt	120
ggccgccatc caggtcaca agttggaggt ctaantgacg agggggctgn ncggnatnnc	180
aggcattctc atgctctnga cccccantng agnccatn tttngannan tanangnnng	240
nnntgnnnna ttnntgntnt gc	262

<210> 704

<211> 300

<212> DNA

<213> Homo sapiens

<400> 704

```

ggatgaagaac cggatcactc tgcaggaagt ggtctccac tgcaagaagc tgaccaagag      60
gaataaggaa cagctgtcag atatgatggt tctggacaag cagaagggtt taaagtcgct      120
gagcaaagag aaacggcaga aactagaagc ataccaacac ctcttctacc tgctccagac      180
tcagcccatc tacctggcca agctgatctt tcagatgcca cagaacaaaa ccaccaagtt      240
catggaggca gtgattttca gcctgtacaa ctatgcctcc agccgccgag aggcctatct      300

```

<210> 705

<211> 241

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(241)

<223> n = A,T,C or G

<400> 705

```

ctatagtgtg cactctgaaa tgtactcagt gaaaatttgt tttagtcttc attaatgcta      60
tttcaccagt tagacataat tacttctacc gatgtgaatg ataccgatgc cggcagagct      120
tccagatctt tcagactcan ctgctaggtc aantactttg gnntantnnn antntttntt      180
naananntgn nctttntttn nccccnnann tanttttana annnnnnnna nncctttnaa      240
a                                     241

```

<210> 706

<211> 300

<212> DNA

<213> Homo sapiens

<400> 706

```

ggaatctgga aaaccagggg ctcatgtaac tgtgaagaag ctgtttgttg gcggaattaa      60
agaagatact gaggaacatc accttagaga ttactttgag gaatatggaa aaattgatac      120
cattgagata attactgata ggcagcccgg ctatcagccc ggatgacagt gacgaggaga      180
actgagggca cgtggggtgc ggcagccggc tagggcccag ggcagcttgc ccgtgctgcc      240
gtgcagtctt tgctccctc acggggcgct acccccagcc cagctccgtt gtacataaat      300

```

<210> 707

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(300)

<223> n = A,T,C or G

<400> 707

```

aattcaaggc ctctcgagcc tctagaacta tagtgagtcg tattacgtag atccagacat      60
gataagatca ttgatgagtt tggacaaacc acaactagaa tgcagtgaat aaaatgcttt      120
atttgtgaaa ttgtgatgc tattgcttta ttgttaacca ttataagctg caataaacia      180
gttaacaaca acaattgcat tcattttatg ttccagggtc agggggagggt gtgggagggt      240
tttctatggt gcatgggtgg cttcaccaac gtgaactttg gccgctcncg ctctgcccaa      300

```

<210> 708

<211> 298

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(298)
 <223> n = A,T,C or G

<400> 708
 agacgctggt ggccctgtgg tgggagagga aaggaaggag aggggtgttg cagtcctttc 60
 acactgggctt tgaagtctg agatgaggaa attcccagtc tggccttgct gggctgtttg 120
 ctgctttgag tgtgtcctca tctgccgat ggtggnggag gctgaattga tcntngnctt 180
 tcnatatgcc angccccttn natcannget gctganagcc cttctcctcn taatcctntt 240
 tnnctttctt cttgtneccat nntccttttt gntgcncnct angcntttng ntcttgtg 298

<210> 709
 <211> 274
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(274)
 <223> n = A,T,C or G

<400> 709
 aagaagctgc ggaagcccag acaccaggaa ggtgagatct tcgacacaga aaaagagaaa 60
 tttgtgagtc cacagctttt accaaaaatc aaagctattc ctcagctcca gggctacctg 120
 cgatctgtgt ttgctctgac gaatggaatt tatectcaca aattgggtgt ctaaatgtct 180
 taagaacctt attaaatagc tgactacaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240
 aacnnnnccc ntnaaaaann nngggggggt tttt 274

<210> 710
 <211> 295
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(295)
 <223> n = A,T,C or G

<400> 710
 gatgacctca acactgctc ttgatttgtt tgatgcatgt cactttcatt aattttcccc 60
 ctcttttttg aaagtctgtt ggcagtacta atattttcat tttatgtaat ctctgggtgt 120
 gctttccagt cactgtatga agtgtctccc caacactagc aaatctaggt cctactaaat 180
 acaaattctt ggggtgatga tcttctagta ctgtattttt aaattaagga gtttttagtta 240
 taatgaaatt gatttgtagt ctgttttgcc gtaaaactgn ttttctttaa attgt 295

<210> 711
 <211> 254
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(254)
 <223> n = A,T,C or G

<400> 711
 gaaaaggcaa gcaagccaca gacagagaga aaatagtcac aaaacgtatc tgacctccac 60
 atcctgtaat tagaattatt gtggtctggt acactgcacc cagtttctgc aggagtactt 120
 tctgggtgtc tctattgagt aagagagggc cccatgggat attcctacag ttcccagatg 180
 aacagtggga aagactctac nttncaanct cngggtacnt ntntctngng ncctttntna 240
 nngtcnanac nnnt 254

<210> 712
 <211> 298
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(298)
 <223> n = A,T,C or G

<400> 712
 gagcggcctt acaagtgcga tgactgcgga aaggccttgt cccagagctt cgacctcatc 60
 cgccaccagc ggaccacgc ggcgggccgg cgctgacctg gggcccccagc aggggtggga 120
 ggtgagggca gaagataagg ggccaggag ctaatngant ctttagggag gatatangng 180
 ngaatcccca atanaatgna ggacnnttat ntntctggann annacattga tgctgtaagt 240
 gatgtcngga cnnnctggg ncctggnac ccagnagnaa ngnggcantt cttacctg 298

<210> 713
 <211> 265
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(265)
 <223> n = A,T,C or G

<400> 713
 gaagcacacc ttgacagcc acacctggag gccgaggaga catgaaatat ggcataatg 60
 ctgtagagaa tgagcatatg aatcgggtac agtctcaaag ggcaatgctt ctgcagggca 120
 ctgaaagcct gaaccgggcc acccaaagta ttgaacgtnt ttatnngnnt gtccagagnt 180
 tgtnccttnt ggatttnttt cttntngnt tnanntgggt cgtgtttttt annnnctttn 240
 ttnnentnan ntnggtcgc ttata 265

<210> 714
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 714
 ctgactctcc gcttccagaa ggagctgaag gagatccagt acggaatcag agcccacgag 60
 tggatgttcc cggtgtgaag ctgcaggctg tgctccagat ccaccgaccc gtagcatctc 120
 gtcacgccag cactcgctc cctaccaatg actcacctga aattgaaacg ggcaggaaat 180
 agtctggcag cctctacagc agaagaaacg gcaggcagt cccagggtcg tgcccaggag 240
 gctgagcagc tgctacgcgg tcctctgggt gatcagtacc agacgggtgaa ggccttagct 300

<210> 715
 <211> 300
 <212> DNA

<213> Homo sapiens

<400> 715

ctgagccagg	tgcgggat	aatcttgtg	tgcgccgtt	tttaagccg	tccgaaaagc	60
gcaatattcg	ggtagggag	acccgattc	ccagctcaga	acctgaggac	gcagccatgg	120
agcggtcggc	cttcatggag	ctggatgctg	ggagcaggct	ggtagatgcat	ctccgcgagt	180
ggccagccct	gctggtcagc	agcacgggct	ggacagagtt	tgaacaactt	actcttgatg	240
gacacaacct	tccttctctt	gtctgtgtga	taacagggtc	ggtaggacctg	ggtagtctgtc	300

<210> 716

<211> 300

<212> DNA

<213> Homo sapiens

<400> 716

ggtagaatgcc	acacccttca	agattgctcg	aggccagatc	ttgaagatac	tcacagggaa	60
gatagtgggtg	gggcatgcc	tccacaacga	cttcaaagcc	cttcagtact	ttcaccccaa	120
gtccctcacc	cgtgacacct	cccatactcc	ccccctcaac	cgggaaggctg	actgcccggg	180
gaatgccacc	atgtctctga	agcatctcac	caagaagctg	ctaaaccggg	atatccaggt	240
tgggaagagc	ggacattcct	ctgtggaaga	tgcccaggcc	accatggagc	tatataagtt	300

<210> 717

<211> 300

<212> DNA

<213> Homo sapiens

<400> 717

tttagatgtt	ccagagtcc	cagagtccat	gaaaggactc	acagtggaga	aaagccctat	60
gaatgtaa	aatgtggt	agccttcaa	tattctagta	acctatgtga	gcatgaaaga	120
actcacactg	gagtgaaacc	ttatggatgt	aaggaaatgtg	gtaagtcgtt	tacttcttcc	180
agtgcctt	gaagccatga	aaggactcat	actggagaaa	aaccctatga	atgtaagaaa	240
tgtggtaaag	ccttcagttg	ttccagttcc	cttcgaaagc	atgaaagagc	ttatatgtgg	300

<210> 718

<211> 300

<212> DNA

<213> Homo sapiens

<400> 718

cggcggcgg	ggtaggtgt	ggtagggcct	caccatacag	gaacagggca	gacgttagcg	60
tgagtgatca	ctctcaatcc	cggggacctg	gtggccttag	tctttcaggt	ggaacgggtg	120
gcgacatggg	aaagaaaacc	aagcggacag	ctgacagttc	tcctccacc	ctgacaacca	180
ctcaccattt	tactacttct	atctttttga	ctttccaaga	atgtcctaga	gttggagtgg	240
tacagtatgt	gggtttccag	actggcttct	ttctagcatt	atgtacttta	agtctcttca	300

<210> 719

<211> 300

<212> DNA

<213> Homo sapiens

<400> 719

actcagccca	cctgcaccca	ggtagaaataa	acagctttat	tgctcacacg	aagcctgttt	60
ggtaggtctct	tcacacggat	gcgcatgaaa	tttgggtgccg	tgacttggat	cgggggacct	120
cccttaggag	atcaatcccc	tgctctctctg	ctctttgtctc	cgtgagaaaag	atccacctac	180
gacctcaggt	cctcagaccg	accagcccaa	gaaacatctc	accaatttca	aatctggcac	240
ccactggaaa	tcagactgcc	cagctcgccc	gacagccact	cctggagccc	ctaaagctct	300

<210> 720
 <211> 234
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(234)
 <223> n = A,T,C or G

<400> 720
 atacggcgtg gagatcagct cctccaccag cataatggga cccagcatcc ctgccaaaac 60
 tcgggaggtg ctgctcagcc acctggcatc ttacaacaca tgggctttac aagggattga 120
 gtttgtagct gccagctca agtccatggg gctaaccttg ggcctgattg acctgcgcct 180
 gacagtggag caggccgngc tgctgtcact cctggaggan gnntccann ntnt 234

<210> 721
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(300)
 <223> n = A,T,C or G

<400> 721
 gtggaagaag aaaagtttcc tacacaactg agcaggcata ttaagtttgg tcagaaatca 60
 catgtggagt gtgctcgatt ttctccagat ggtcagtatt tggtcactgg gtctgttgat 120
 ggattcattg aactatggaa ctttactact ggaaaaatca naatggntnt tanntnccan 180
 gccactnta cntntatnan gatgnangnn nccagnntac agtcntgatn tgtctccagt 240
 ctccacctnn cactgtctgg ttncngttgg tactatanga cccatgnnta caacttttgt 300

<210> 722
 <211> 261
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(261)
 <223> n = A,T,C or G

<400> 722
 gttaattcat tcctttccct gaaggagact gggctctggg ctccctgcgt ggtgaggatg 60
 aggagcagaa tagagctgca gtcagcaggg agcagggtctc attctgggga gcagagacaa 120
 atagagaaca gtatctcttg ctatatgcag ggcactgcaa cttacaaatc acagegcatg 180
 gcgaggacga gggttggggg ggttcctcnn accatgnntn cnnngttnt accccttnnt 240
 cnnngnnact ctnactnnna a 261

<210> 723
 <211> 275
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(275)
 <223> n = A,T,C or G

<400> 723
 gtggcaaagc ttcattccagt ctagggtcttc aggattttga tttgctccgg gtaataggaa 60
 gaggaagtta tgccaaagta ctgttggttc gattaaaaaa aacagatcgt atttatgcaa 120
 tgaaagtttg tgaaaaaaga gcttggttaat gatgatgagg atattgattg ngtnncnncac 180
 gganaagcat ngtnntngan ccggcntttn ttcattntnt tccccncttn ncgnntnntt 240
 tntcngcng ncccngattt tatnnnccgt cctat 275

<210> 724
 <211> 280
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(280)
 <223> n = A,T,C or G

<400> 724
 agaagaattt ggtataatca tgaaagccct gtggacagga cagtatagat atatcagtc 60
 aaaggacttt aaaatcacca ttgggaagat caatgaccag tttgcaggat acagtcagca 120
 agattcacia gaattgcttc tgttcctaata ggatggactc catgantatn ncgntatann 180
 ngatnnnnnn ntagnntnnn tnnnnntcnn ccccanctga ctttnnnntn cennnnnnnn 240
 ccngctaagn ngnttgcnnn ntncnccnccg cagtcncccg 280

<210> 725
 <211> 276
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(276)
 <223> n = A,T,C or G

<400> 725
 gtgacgcgca tgaatggatg aacgagattc ccaactgtccc tacctactat ccagcgaaac 60
 cacatgccgt tggcaaccac aggtcattca gcgacaagaa tggcctcacc agcaagcggg 120
 agctgcggcc cgaagatgac atgaaaccag gaagctttga caggtccata cctgaaaaca 180
 atatcatgcy cacaatcatt gagtttctgc tttcttgcat ttcaaagagg ccggggccntn 240
 naccgntcnt gaatttccn gccgancntt ttaaaa 276

<210> 726
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(300)
 <223> n = A,T,C or G

<400> 726

```

ccgtgggact agggcggcga tgggtgccca tgcagagtgc cgtcctctgg gagtgtttga      60
gtgtgaactc tgtacnttga cagctccgta cagctatgtg ggacagaagc cccccaacac      120
ccagtcgatg gtgaatgcag tttattctac tccaagagat tctgcctccc ttgtgtccgg      180
gagaacatca atgcttttcc tcaggaaatt cggcaagact tggagaaaag gaaagctcca      240
tcaaagagga ccccagcca gcccggttct cggacgtgag tgcaactggg gctaggtcat      300

```

```

<210> 727
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

```

```

<400> 727
ggaagctcca cgtgtagctg agctgcatgc accaggcctc agtttgcccc aagtcacctg      60
tgtactctct catggcctgt ggccaagaaa tgtattctct cactttggac ttaggagtc      120
aaagagaagc ccagaaacaa aattgcttga acttgaattt gtgtgcgtgc gcacgtgtgc      180
acgtggtggt gaancnatat tnntccacc nntggctnat nccatggcac cttcaaggct      240
tgatanccgn aatcttgtca tnaatggaaa tcccatgnct tcttncanga tcgagattcc      300

```

```

<210> 728
<211> 298
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(298)
<223> n = A,T,C or G

```

```

<400> 728
gttattgctc tcggtgttcc taatcctcgg acttccaatg aagttcagta tgaccaaagg      60
ctcttcaacc aatccaaggg tatggacagt ggatttgcag gtggagaaga tgaaatttat      120
aatggttatg atcaagcctg gagaggtggt aaagatatgg nccagngcat ttatatggcn      180
nnatanannat ctgccnnaga anatgtatgg ccgatgnccg tntncgncac cntgnttnat      240
nannanattnc nttnaccacn ctgnannntn tgttcnnan ccncnccca ctttgat      298

```

```

<210> 729
<211> 245
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(245)
<223> n = A,T,C or G

```

```

<400> 729
gcttcacca gccaaagagg tcgaagtggg tctggaaact ttgggtgggtg tcgtggagg      60
ggtttcgggtg ggaatgacaa ctteggctcg ggaggaaact tcagtgggtcg tgggtggcttt      120
gggtggcagcc gtgggtgggtg tggatatggt ggcagtnggg atggctttcn tgnattngtt      180
ncttannnnan gtatntntnn naannntgan tgttannntt tttntnnct tttnttnant      240
tntnt      245

```

<210> 730
 <211> 299
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(299)
 <223> n = A,T,C or G

<400> 730
 atttgaagca ccaaaccagg agaaagtttc agactatgaa atgaagttga tggatttaga 60
 tggtgaacaa ctgggaattc cagaacagga gtacagctgt gtagtaaaga tgccttctgg 120
 ggaatttgca cgtatatgcc gagatctcag ccatattgga gatgctgctg gannnnntg 180
 ngcntgngac nggnnnnngn cntctgcatn tgcannatnn gctaagnchna ctttnatggc 240
 ntctttgncg ccttctncc atagttncng accagctgtn atgggtgtgga tgcctgcct 299

<210> 731
 <211> 298
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(298)
 <223> n = A,T,C or G

<400> 731
 agacgcgctc ctgcgcgggt atttctggga aaagccagct tctgtttgca ctggtcttca 60
 caactcgta cctggatctt ttacttcat ttatttcatt gtataacaca tctatgaagg 120
 ttatctacct tgctgctcc tatgccacag tgtacctgat ctacctgaaa ttaaggcaa 180
 cctacgatgg aaatcatgat accttccgag tggagatttt ggcgtgtcct nccccatgnc 240
 actgnatttt atanccttgt gactgtgtca tatanatanc tncntatata tatacata 298

<210> 732
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 732
 gtttgaaatg aatgcaatat taatagatgc atatatacat gacatattgt ggtaatttt 60
 aaaactactg tgccttaacg tgtttcttaa actttttag taaatgaaca tttgaaatcc 120
 attttgataa acctgctgtt aatgtttttt ccccccttgt gaatgttttc taactttgtc 180
 ttggttaattg caatttaact aggtgcggtg gctactaaag ttcgaaggca cgatatgcgt 240
 gtccatcctt accaaaggat tgtgaccgca gaccgagccg ccaccggcaa ctaacctatg 300

<210> 733
 <211> 267
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(267)
 <223> n = A,T,C or G

<400> 733
 cattaaactc ccacagtggc caccctactg ctgatgtaca gactttccag gcaaagcgcc 60
 atattcatca acaccgtcag tcttactgta attataacac tggaggtcag ttagagggca 120
 atgcagccac ttcctatcag aagcagactg acaaaccag ccactgtagc cagtttgtga 180
 caccttcgtg gatgangaga cagttctctg taccantct naaagctggt nnanaaccac 240
 ngntanntn agatatttgn gccact 267

<210> 734
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 734
 tcactgatgg ttgctgttt ggaagccatt ggcagggtg ccggtcatgt ggctgtgagg 60
 gctgcacagt cctgccagg ggcttctctc ttgtcaccac gaacctgta atcggtgtct 120
 ggctgtggcag ccctggctaa gttaatcccc accgctttca gtggtagaaa gaattccctg 180
 agtgggccag gctgggtccc tctcctacc ctggcttttc tgagttagct gcctggagcc 240
 ctcatccct ctcccaggct gggctggccc tgggcggggc cactgtgtgc tggccactg 300

<210> 735
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 735
 gtgactccaa gccacgtcc tgcagcgaga ggccctgac gctcttccac accgttcagt 60
 caacagagaa acaggaacaa aggaacagca tcatcaactc cagtttggaa tctgtctcat 120
 caaatccaaa cagcatcctt aattccagca gcagcttaca gcccaacatg aactccagt 180
 acccagacct ggctgtggtc aaaccacccc ggcccaactc actccccccg aatccaagcc 240
 caacttcacc cctctcgcca tcttggccca tgttctcggc gccatccagc cctatgccca 300

<210> 736
 <211> 281
 <212> DNA
 <213> Homo sapiens

<400> 736
 ccgggctgaa cagcctcacc agcatgccat gtactacctc cgcttgctga tgactgaagt 60
 ggcttgact aaagatgagt taaaagaagc tctggatgat gtaacccttc ctgccttaa 120
 ggcttcata cctcagctcc tgtcacggct gcacattgaa gcccttctcc atggaaacat 180
 aacaaagcag gctgcattag gaattatgca gatggttgaa gacaccctca ttgaacatgc 240
 tcataccaaa cctctccttc caagtcagct ggttcggtat a 281

<210> 737
 <211> 295
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(295)
 <223> n = A,T,C or G

<400> 737
 gccacagcag cagccacagc cgcaggcgcc ccagcaacca cagcagcagc agcagcagca 60
 gccaccacca tcacaacagc ctccaccaac acagcagcag ccacagcagt ttagaaatga 120

taacaggcag	cagttcaatt	caggtagaga	ccaagaaagg	tttgaagaa	gatcttttgg	180
aaatagggtg	gaaaatgatc	gggaacggta	tgggaaccgt	aatgatgata	gngatantag	240
tnaccgtgac	nggatagagn	gnggnagnag	nnnttttttn	ttntatnttt	ttttg	295

<210> 738
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 738						
cagacagcca	aacagacctt	ctgtttcatg	aacaggcgtg	ttatatctgc	taacccatat	60
ctagggggga	cctccaacgg	ctatgcccac	cccagcggga	cggcacttca	ttatgacgat	120
gtcccgtgca	tcaacggctc	gtgggaaccg	gaagacggct	ttcctgcttc	ctgcagcaga	180
ggcttgggag	aagaggtgct	ttatgataac	gcaggcctgt	acgataactt	gccgcctccg	240
cacatctttg	cccgtactc	tctgtctgac	agaaaggcct	ctaggctgtc	tgctgacaag	300

<210> 739
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 739						
tctgggccct	aggcctccac	aggagcaagt	ggggcctctg	atggtaaaag	tcgaggagaa	60
agaagagaaa	ggcaagtacc	ttcctagcct	ggagatgttc	cgccagcgct	tcaggcagtt	120
tgggtaccat	gatacccctg	gaccccgaga	ggccctgagc	caactccggg	tgctctgctg	180
tgagtggctg	aggcccgaga	tccacaccaa	ggagcagatc	ctggagctac	tggtgctgga	240
gcagttcctg	accatcctgc	cccaggagct	ccaggcctgg	gtgcaggagc	attgcccgga	300

<210> 740
 <211> 299
 <212> DNA
 <213> Homo sapiens

<400> 740						
ccgatacgag	gcaaacgggg	aagttaagca	aagaccaatt	cgcgttagct	atgtatttca	60
ttcagcagaa	ggtcagttaa	ggcatcgacc	ctcctcaagt	cctctcgccg	gacatggtcc	120
cgccttcgga	gagaggcacg	cccggcccgg	acagttcagg	ctctctcggc	tcgggggagt	180
ttactggcgt	gaaggagctt	gattgacatc	agtcaagaga	ttgccaggtt	acaaagagag	240
aaatattcac	tggacaaga	cattcgagaa	aaggaagagg	caatcatgac	agaaaacca	299

<210> 741
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 741						
ggatagccca	cctcatgttc	ctgtacctga	actctcaaca	gacactgtta	taaatgtgat	60
cactaatatg	acaaccacca	tccagagtct	ctttccaaat	ctccaggttt	tccctgcgct	120
gggtaatcat	gactattggc	cacaggatca	actgcctgta	gtcaccagta	aagtgtacaa	180
tgcagtagca	aacctctgga	aaccatggct	agatgaagaa	gctattagta	ctttaaggaa	240
aggtggtttt	tattcacaga	aagttacaac	taatccaaac	cttaggatca	tcagtctaaa	300

<210> 742
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 742

agttaatgcg	ccagaggcag	cagcagcaag	aggtctctcg	gaggttgca	cagcagcagc	60
agcaacaaca	gctggcgag	atgaagcttc	cttcttcttc	aacgtggggc	cagcagtcca	120
atacaacagc	atgtcagtc	caggccacgc	tgtcgttgcc	tgaaatccaa	aaactagagg	180
aagaacgaga	acggcagctt	cgagaagagc	aaaggcgcca	gcagagggag	ttgatgaaag	240
ctcttcagca	gcagcagcag	cagcaacagc	agaaactctc	aggttggggg	aatgtcagca	300

<210> 743

<211> 300

<212> DNA

<213> Homo sapiens

<400> 743

ggaacgagggc	tttgctccat	ggaagtgtct	accagtctga	gtacatagac	ctctctgaaa	60
aaattaaaca	gggagatagt	agcctggagt	ttggcatcaa	acctgggtgac	ccacgcgttc	120
tgcagaagtt	agatgacgat	ggattgccgt	ttataggagc	aaaactgcag	tacggagatc	180
cgtattacag	ctacctcaac	ctcaacaccg	gggaaagttt	tgtgatgtac	tataagagta	240
aagaaaattg	tgttgtggat	aacatcaaag	tgtgcagtaa	tgacactggg	agtggaaaaat	300

<210> 744

<211> 300

<212> DNA

<213> Homo sapiens

<400> 744

ggcagtcac	aggacctcag	tgtgatacag	ccaattgtaa	aagactgcaa	agaggctgac	60
ttatccttgt	ataatgaatt	ccgattgtgg	aaggatgagc	ccacaatgga	caggacgtgt	120
cctttcttag	acaaaatcta	ccaggaagat	atctttccat	gtttaacatt	ctcaaaaatt	180
ggcttcagct	gttctggagg	ctgtggaaaa	caatactcta	agcattgaac	cagtgggatt	240
acaacctatc	cggtttgtga	aagcttctgc	agttgaatgc	ggaggaccaa	aaaaatgtgc	300

<210> 745

<211> 300

<212> DNA

<213> Homo sapiens

<400> 745

aaccaacact	gatggcagca	gttccggaaa	tcattggatcg	gatctacaaa	aatgtcatga	60
ataaagtcag	tgaaatgagt	agttttcaac	gtaatctggt	tattctggcc	tataattaca	120
aaatggaaca	gatttcaaaa	ggacgtaata	ctccactgtg	cgacagcttt	gttttccgga	180
aagttcgaag	cttgcagagg	ggaaatattc	gtctcctggt	gtgtggtggc	gtccactttt	240
ctgcaaccac	gcagcgattc	atgaacatct	gtttctgctg	tcctgttggt	cagggatagc	300

<210> 746

<211> 300

<212> DNA

<213> Homo sapiens

<400> 746

ccgatacgag	gcaaacgggg	aagttaagca	aagaccaatt	cgcgttagct	atgtatttca	60
ttcagcagaa	ggtcagtaaa	ggcatcgacc	ctcctcaagt	cctctcgccg	gacatgggtcc	120
cgccttcgga	gagaggcacg	cccggcccgg	acagttcagg	ctctctcggc	tccggggagt	180
ttactggcgt	gaaggagctt	gatgacatca	gtcaagagat	tgcccagtta	caaagagaga	240
aatattcact	ggaacaagac	attcgagaaa	aggaagaggc	aatcagacag	aaaaccagcg	300

<210> 747

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 747

gggactcgtt accatcactc ccaccacagg ctccgatggg cgcccagatg cccgggtccg	60
cctcgaccgc agcaagatcc ggtctgtggg caagcctgct ctagagcgct tcctgcggag	120
acttcagggtg ctgaagtcca caggggatgt ggccggaggg cgggccctgt acgaggggta	180
tgcaacggtc actgatgcgc cccccgagtg cttcctcacc ctcagggaca cgggtgctgct	240
gcgtaaggaa tctcggaagc tcattgttca gcccaacact cgccttgaag gctcagacgt	300

<210> 748
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 748

atacagcaga gcctagaaca agaagaagct gaacataagg ccacaaaggc acgactagca	60
gatgggaaat aagatctatg agtccatcga agaagccaaa tcagaagcca tgaaagaaat	120
ggagaagaag ctcttggagg aaagaacttt aaaacagaaa gtggagaacc tattgctaga	180
agctgagaaa agatgttctc tattagactg tgacctcaaa cagtcacagc agaaaataaa	240
tgagctcctt aaacagaaaag atgtgctaaa tgaggatgtt agaaacctga cattaataat	300

<210> 749
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 749

gaaaccctat gtgtgtgata ggtgtgggaa ggccttcagg aacagctcag gcctcacagt	60
gcataaaaagg atccacacag gtgagaaacc ctatgaatgt gatgagtgtg ggaaggcata	120
catctcacac tcaagtctta tcaatcataa aagtgtccac caggggaagc agccctataa	180
ttgtgagtgt gggaaatcct tcaattatag atcagtcctt gaccagcaca aaaggatcca	240
cactggaaag aagccatacc gatgtaatga gtgtggtaag gcttttaata tcagatcaca	300

<210> 750
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 750

ctattactcg gcttcttagc attcgcattc ctgctctctt acccccagcg tccacagagc	60
tggatgttcc tcacaatgtc caagtggctg cagtgggttg cattggcctt gtatatcaag	120
ggacagctca cagacatact gcagaagtcc tgttggctga gataggacgg cctcctggtc	180
ctgaaatgga atactgcact gacagagagt catactcctt agctgctggc ttggccctgg	240
gcatggctcg cttggggcat ggcagcaatt tgataggtat gtctgatctc aatgtgcctg	300

<210> 751
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 751

gaaattctgg tcctcccttc cgagcaacgt ttgcaacgat gagaggatgg ctgcaggaaa	60
cggcaatgag gatgactgtt ggaatgggaa aggcaaaagc aggtacctgt ttgcagtgac	120
aggaaatgga ttagccaacc agggcaacaa cccagaggtc caggttgaca ccagcaaac	180

agacatactg atccttcgtc aaatcatggc tcttcgagtg atgaccagca agatgaagaa 240
 tgcatacaat gggaacgacg tggacttctt tgatatcagt gatgaaagta gtggagaagg 300

<210> 752
 <211> 292
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(292)
 <223> n = A,T,C or G

<400> 752
 aaattagctg ggtgtggtgg tgcacgcctg tgatcccagc tacttgagag gctgaggcag 60
 gagaatcact tgaactcggg aggtggaagt tgcagtgagn tganatcgtg cactgaang 120
 atccnnntga gcnacanaat gagatnccat cncaaanttc agtacctana tccttanntt 180
 agagattgtn ttganacnln aanntcctgg accttatctg nngctccct angctngngt 240
 nncntnnann ttntttntan tnnncntntt gctnanatna tantccagtg ca 292

<210> 753
 <211> 290
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(290)
 <223> n = A,T,C or G

<400> 753
 aattccgttg ctgtcgggtt tcaccatggt ggccacgctg gtctcgaact cctgacctca 60
 ggtgatccac cctcctcggc ctcccaaagt gttggtacta caggtgtgag ccactgcgcc 120
 tggtcggatc taactttttt tctccttgg tttactcgtc cactttgatg gattatggtg 180
 tcttgtgttt tcccnntatt agaantcang ggaaatgant nttttganaa ctttcatatg 240
 tggctgant nttgatcnat cntttaannn anatnagnat nnttctgact 290

<210> 754
 <211> 259
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(259)
 <223> n = A,T,C or G

<400> 754
 aattccgttg ctgtcgtgga ttaatgcact ttgaagttct ctggaattaa ttattttaac 60
 ttggcctagc ttcgactgtc aagggtggctg ttataaattt gactcnattg tnagnggatg 120
 aanccctaagt cagctnanga ctnnatcata tnttncnt gangnctgtc tgctngctca 180
 tgtatnactt nctntatcna nttgacngnt nnnnattctg anntgntggt ntgtactnta 240
 cnacaatcag agctgcct 259

<210> 755
 <211> 257

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(257)
<223> n = A,T,C or G

<400> 755
aattccggtg ctgtcgcaaa ctccctaggct caagcgggtcc tcccactgtg gcctcccaaa 60
gtgctgggtg gtgtgagcca ccgtgcctgg ccagttaatt tnttttancg tanntntttt 120
tnnttctnat atttatacngn tgcnnnctan nntnanatta nntntttnan atnnncnccn 180
ttcnnnnnna ccngtgnntt ngcatttnan nttttctaan tatnttaanc ntgatnattt 240
tnctgtnaan ttttnna 257

<210> 756
<211> 234
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(234)
<223> n = A,T,C or G

<400> 756
aattccggtg ctgtcgaaaa ggcttataac ttagggttta gagaacagtt atgaggcatt 60
ctcattgcta aatcatgctc tggggaagtc tgccatttaa tatgtcatag actagggcta 120
cctagtgtgt actgatggtg tttagctga agaaaatgctg tgtgtgtttc tgtaaggtaa 180
gaggagcttg acattcacta aggagataat gaggcattga caggctgnnn tgna 234

<210> 757
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 757
ctactccttc tttttgcagg catcccattt natcgaatt ccgttgctgt cgctttataa 60
tgcaatttcc agacccttta tcatccttgc tcttgatagc tgtttgcag catccctctt 120
aaaatgtggt tcccaggagt ggacatgctg tgtcaacata tacactgaga cagttgacct 180
ctttgttctg ggccgagctc attaaacttag ggactggggg tccagagtgt ctgtcaagtc 240
cctgaaatta actgtaaatt tttgtatgtc tagacatatt tatgggagga aaacttattg 300

<210> 758
<211> 300
<212> DNA
<213> Homo sapiens

<400> 758
aattccggtg ctgtcggcgg tataaaagta gctgtgttgg atggtaaaca cacaggcccg 60
attacctgtt tgcaattcaa ccccaagttc atgacttttg ccagtgcgtg ttccaacatg 120

```

gccttttggt tgcccacccat tgatgactga ccctgttgct gcttggtat ttctgtatag 180
tgagggcggc cagcaggaag aaactcagag ggaactgaga taatagtggg attggatcat 240
ttgactgggc tggagaacat ccttttacat ggccttccca tggatgtgct gtacatctgc 300

```

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<210> 759
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 759
cgttgctgtc gggaatccct gccaaagtaa cttgacagtc ggcctaattc tgttgacaga 60
aaatgaagcc ttgacgggtc taattatcca aaagtgggtt ttcacagga cgtacagtca 120
gagtgtagt gcattctaata gaaaacttct tcagccctca ttcaattgca taaaaagcc 180
ctcaaagaga acatacagta cagcagtttt gtaaaaggca acaatacgat ttgtacagac 240
cccgaactc caatcctata gatcaccacg ttgtcctct gtccccagca ccccttattt 300

```

```

<210> 760
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 760
aattccgttg ctgtcgaaat ttgttttagct tctcaattca tgttccttag aggatggtaa 60
attaaagtta gcattccttg acagagcctt tcatacattg aagacaaccc ggtgagtctc 120
aaggggagag gtgtgggaga gatgaaagga tttctccagg cctgttcggc agcatggact 180
gttcttttag gtaattaagg gagaccatag aagacaattg tgtgagtcca ttacctttc 240
acttgggggt cttaagtctt tggttgggct tctttaaccc tgtgtgtcac ccacggactc 300

```

```

<210> 761
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 761
aattccgttg ctgtcgctcc atttgacttg caaaccagcc ttttctaata ggctaataatt 60
gctgaggcct taaaggaaat ggacaaaaat tatccagaag gggactttt ccattgtatc 120
tttctaataa gggtttaaaa tggactactatt atggatttgt acttgggctt taacatcaat 180
gttgctttga tgtgtttgga tataaatagg aatttttaca cattactatt gtgaatgggtg 240
aatgttcatg tatgacctac ttgtaattaa cttgagttgt agtccacagc ctcaggacaa 300

```

```

<210> 762
<211> 293
<212> DNA
<213> Homo sapiens

```

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<220>
<221> misc_feature
<222> (1)...(293)
<223> n = A,T,C or G

```

```

<400> 762
aattccgttg ctgtcgaaac gcagtaatgc atgaagagtg ccgggcatgg tgctgagccc 60
tggtcctgct ctccctccag ggctgctgag ctagaattcc cactatgtc tttccaaggg 120
actgttccag gcttgggact tggctctgt cctgccccat cctcgtcact tgagaccacg 180
agccctgggt cagnaccna gngaagccac ccacgggctc atgaatcntn aanncttnan 240
gcancnnatg cctngcngcn tggaatnanc ttannnttt gacctgatgc acc 293

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<210> 763
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 763
 aattccgttg ctgtcggaga gacctagcaa tgtgaagtaa caaagatcag gcagctgcaa 60
 gtgactcctg aatcttgagt ccagggttt cgccactaca gtacagtggg tttcttttct 120
 ttggtcgggg agagtgggct ggaatggaga gtgaggccca caaattacct gcagagacgt 180
 ggaggcgtga gggagaacat gcttgttaaa tatgcaggta gattaggaga caccaaacag 240
 agattcagac acagtaaggc tgggatgaga tcctcgaagc tgtgttttaa caaactccac 300

<210> 764
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 764
 aattccgttg ctgtcgtttg tcctgttgtg atcagagttt cacaaagtgc tctcagtgcc 60
 taaggcaaac tggcacattc tctatgaaaa agacaattat tgttcttggt cagggtggcca 120
 gttggccag ttgattttgg agcatagtgt taataaagggt tagtctcttc agatatgagc 180
 cagttgactt ggctatataa atagctgctg tcacgggcag gtcagaggta tgtgtgtgga 240
 tagactggat ctgtaaccac caatcagaaa tcaatcagca atcatttact gagcatttgc 300

<210> 765
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 765
 aattccgttg ctgtcggctc tacgatggag tcaaggccag attgggctct atttccacaa 60
 cccctaagg agtagctcac cagtgtccta agtggctgtt tcctgggtga acatagtaca 120
 tatttgctgt cacgctggga ataccagtga gaattctatg catggacaga ggacatgac 180
 atctttatgt ttgtaacctc gggcctggaa cagtctcctt ttgtgttcac ttgattctga 240
 aaggtcagtg ttttagaaca ggcttttcac atgggttcacc aggaggccag ttagatcctg 300

<210> 766
 <211> 265
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(265)
 <223> n = A,T,C or G

<400> 766
 aattccgttg ctgtcgggtga gaaagtatgc cactctttaa ttagctctta taattggagg 60
 gttattccct gagtagagat taaaagctgg ggaatgttg aatcctacaa aattcttgtg 120
 ttgctgtcac tccaggttgc tacaacactt tagatattcg tatgaggag tcatatttgt 180
 ttacactaa cnggaaacta tgacaataan tatatgagta ncnncattat antncttnan 240
 aatccaccaa gtgagnnnct gctat 265

<210> 767
 <211> 296
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(296)

<223> n = A,T,C or G

<400> 767

aattccgttg	ctgtcgggta	ctgagttagt	actgtataat	gtagtgagta	gtgatgatga	60
gcatggattg	attattggct	tatcttcttt	gtttttttgc	ttttgatttt	ctttattttt	120
ttttganang	cattgnccta	ntgaacntnn	aaactgaatt	aaggnccccc	nnnannnnca	180
cttncnntnt	nccnngggaa	aangcncga	accccatnt	naaanncacc	agctccaaca	240
cacgantanc	nttnatgagg	anttggctna	cnatgagaan	ccccgaaaga	agtaac	296

<210> 768

<211> 267

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(267)

<223> n = A,T,C or G

<400> 768

aattccgttg	ctgtcgggta	atttgacact	gctgctggca	gtagttctct	attcaccatt	60
ttaaagccca	ttcaggttct	ctcttcctga	aaagaactga	ttgctgtgtt	tacatgaaat	120
gacattggag	tcagatggtc	tgttttaaag	atttctatga	cagcctatct	tcttgagttg	180
nananattgg	aggttcctg	nntcnntaa	aactgaanaa	cgcnnngnaa	naggcnatga	240
ncgatctnct	gcnngggcn	tttgatg				267

<210> 769

<211> 269

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(269)

<223> n = A,T,C or G

<400> 769

aatttcgttg	ctgtcgggacc	cagcaaattt	tttgtatttt	tagtagagat	gggggttcac	60
catgttggtc	aggctggggg	cttaccaccc	ccttgaaaagc	ctaccncccn	ccneggcnnc	120
tnnaanagcc	nnnagnttan	gnnagtnena	ccnnaccnnn	nctannncn	gtccnnntcc	180
atgnggncnt	ataccatnc	atnctacncc	atctctncnc	ccnnncagtc	atcnctaccn	240
tntctcacia	actcncnncn	tncttnang				269

<210> 770

<211> 300

<212> DNA

<213> Homo sapiens

<400> 770

aattccgttg	ctgtcggggt	tctgtagagg	aatgtcttcc	aggtgggaga	agaatggctt	60
tcatttttaa	caaccacaca	ctataaacia	agcatcccga	gagcacgggt	acctagcaga	120

agaagaacga agtagccagg aaacaagttg cttttcagca tccccactga aatgataggg 180
 tacttttagaa agcgggtggg ggcattcttt ccacaagtac agcaagtgtc actgtggggg 240
 cttaattctc tcgaatctgc ctttagaagg cagaaggcag aatgatcagc tctgctctga 300

<210> 771
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 771
 cattgatgtg caaataatga gattccctat ctcccttttag acctgggacg gcaaaaggga 60
 agggaaggaa acttagcaga gtgctattga ctatagattc acatattagc aacaaaatcc 120
 cgtaattctt ttggccaaca gcagctattt tggggagcag ctgtggctgt tacataaata 180
 gagatgcagc caaaatttta ggccctttat cctgcttcta gcagaaaaat gcagggagag 240
 tcaagtagtc tagggtttca gggtgcctcc cctcatatgg tttttggcca agtgactaaa 300

<210> 772
 <211> 206
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(206)
 <223> n = A,T,C or G

<400> 772
 aattccggtg ctgtcgctga ttatccgaat gagtaagcag atgtctcact atgtggatgg 60
 tccgttacct gggataattct gggntnctgt agntgaacta tgacagagga accagantca 120
 taatgangcn tctgatnagg ngaggcgtat ngagannatn nctccnnccn ttanctnctt 180
 nacantntaa attnntaata tacatt 206

<210> 773
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 773
 aattccggtg ctgtcgaaaa aggtcattcc cagtcttttt agactcctgt tttccaggga 60
 gacatcctct gatcctttga gcttcatgat gaatcacctg aattctgtag gcgacacatg 120
 tggactagag cagattgata tgtttatact tggatactcc cttgaagtaa agataaaaagt 180
 gttcagactg ttcaagttta actccagaga ctttgaagtc tgctaccag aggagcctct 240
 cagggactgg ccggagatct ccctgctgac cgagaacgac cgcactacca cattccagtc 300

<210> 774
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 774
 aattccggtg ctgtcgggtc cttatgccta taagcgggca tacaacaggg gcacaataaa 60
 tgtttggtta gtgaatgagg gctttgagaa ctatagtgga tcttagtcca actctcttat 120
 ttaacgaggt ccacagaggt tctgcgattg tctaagaaa agggctgtgt tcatggcctt 180
 tggtgtttac gtggccctgt gattctcttg gctccgtgaa agtcctgatg cagacattcc 240
 ggccatctag aaaggcatgc agacaagcca tccagctggc atgatcctga gtccagcttt 300

<210> 775
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 775
 cagagcgtgg caggagctct tggctggccc tgetgggagt ttcgtctcct agcaggtacg 60
 gaaagccatg agggatgctg ctctcagcaa caattctgcc ttaacagaga aggcagacca 120
 gtcctcagga cctggaggga ggtcatgttg tggacttcat agctggaaaa gaacactgga 180
 ttttaggaac acggtcgcag aaagtttaga ctaagaagta gattcttctg ggttgagca 240
 tatttcaga agagatgata aagttacaag gatgataaga tggtaataga tgccttgatt 300

<210> 776
 <211> 292
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(292)
 <223> n = A,T,C or G

<400> 776
 aattccgttg ctgtcgatc attttgtata atcatgtatc ctcttgtgtg ctggtagaga 60
 ttttaatect gatttttcca taaaacatga gtattaagaa ataattcctg gtttggagaa 120
 actggataaa tcaccctttt aaggaagaaa cactggaaat ttctgctaac accaagatat 180
 tnaagagtgg acatantagg tgcntnancn cattaatga nngaatgaan gnttnnaaan 240
 actntcanan cncntatnct nnnctaannc tnttcnannn acnnnatattt tt 292

<210> 777
 <211> 299
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(299)
 <223> n = A,T,C or G

<400> 777
 aattccgttg ctgtcgggga agtgggcca aggaatcagc tttaaaagcc ctaaatagtg 60
 acatgccctt atatattctg tcatectctc aaggtagagg gctgaaacct cattatgctc 120
 aacttatgag gctttttgtt gtggttcctg atgctccttt gcagataata ctaatgcctc 180
 aggttcagcc agggccacca ccatgtccgg tattctaccc agaaaaacaa gaaatcacc 240
 ttccacctga tggccttttg gttttgagat tccttatgcn tatgtgactg anagaggac 299

<210> 778
 <211> 293
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(293)
 <223> n = A,T,C or G

<400> 778

aataccgttg	ctgtcgaaga	tgtaaagcca	cattgattca	ctcagccaac	cagatcaatg	60
gtccatttgc	actcaattta	attcatggaa	agacgaaagc	agagacagaa	caagccaaaa	120
gtgagtttcc	cttttgactt	attatcactt	ccacatntnn	ctggggagca	gattgtncag	180
agagagaaac	ngnnagcnan	tgtgtcaagn	gttancnnnc	ggangaangc	ctcaaaacga	240
cntaangnng	nnnaagcagc	nngaancagc	tcnctgtggt	gaacncagaa	gtg	293

<210> 779

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(300)

<223> n = A,T,C or G

<400> 779

aattccgttg	ctgtcgcgag	gctccatgat	gcagcttacg	tcggggacct	ccagaccctc	60
aggagcctat	tgcaagagga	gagctaccgg	agccgcatca	acgagaagtc	tgtttggtgc	120
tgngtctgnc	tctactgcat	acnggtgcaa	ntntcggnntn	nttttngnnn	anggtngctt	180
nngtnnnnnt	gtantttnnn	ttatntcttc	tnnnntnctc	tttaatatcn	tntntntntn	240
gtnctnantt	ntttnnctna	anancncatn	tnantttncn	cnngtnttct	ntnctttctt	300

<210> 780

<211> 300

<212> DNA

<213> Homo sapiens

<400> 780

aattccgttg	ctgtcgggtt	gttacagaag	gagaaagtgg	cagttgaagc	atttcagatt	60
tgctgccttc	tcctacctcc	tgaaaatagg	agaaagttag	agctattgat	gaggatgatg	120
gcaaggattt	gcttaaacia	agagatgccca	cccctgtgtg	atggcttttg	taccgaaca	180
ctgatgggtc	agacattttc	ccgttgcatc	ttgtgttcca	aggatgaagt	ggacttggat	240
gagttattag	ctgctagatt	ggtaaccgtt	tctgatggac	aattaccagg	aaattctgaa	300

<210> 781

<211> 280

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(280)

<223> n = A,T,C or G

<400> 781

aattccgttg	ctgtcggcat	atacagcaaa	ttaaaggacc	cagaaagctg	gatccaatag	60
tgacctgggt	acaccaatcg	gaatattgaa	tttggggaag	tcaagggctg	ggatcaagag	120
gtggattgga	actaatgccca	tgtaggatgg	tatgactagg	cancantgtg	ttgtntctcg	180
tntatatant	gggtgcctnc	ctntcttgn	ttntctcttg	gtgntntnnt	ncnactanant	240
agtgactcct	nagtcggggn	cgctgccctc	gttgaatttt			280

<210> 782

<211> 262

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(262)

<223> n = A,T,C or G

<400> 782

aattccgcttg	ctgtcgcttaa	gttgttggt	cagtgtatgc	tggggacaaa	gaaaaactaa	60
caagccgacc	tgcttttatg	ataaattcta	gtgtgcttac	aagggatgac	ttcctgaggt	120
gtgatctgnc	caccttgaag	aactccacan	ntgannaagg	ggagctgtga	tancgagaat	180
tgggnnnnnn	catnnggtn	nancaanggg	nnntnangnt	naaanatccc	tgantnaaat	240
gnncnnnnnn	naaaaaattn	tc				262

<210> 783

<211> 299

<212> DNA

<213> Homo sapiens

<400> 783

aattccgcttg	ctgtcgctca	aacaaaaaag	ggacatttat	gtgcagttgg	gacagcaaac	60
caagtccttg	acgtaaaatc	gaataaaaga	cacattcata	tccaatagag	accacacctg	120
tattcatatg	ggaacaatct	ggaatagtga	tatcctcaag	gggtaaaaaa	tatataaata	180
tatatatata	tgacaaaagg	tatgaaatgc	aaaaaagaaa	aaaaaagggtg	acagccgcag	240
ttgatgctgt	gatggccgtg	aagtgtcctg	ggcctcccga	ggcctctgac	aaataaaca	299

<210> 784

<211> 261

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(261)

<223> n = A,T,C or G

<400> 784

aattccgcttg	ctgtcggatt	tgtgtcttga	ccaggggccca	gatacagaga	atgtcccat	60
catgtacatc	tgccatggga	tgacgcctca	gaacgtgtac	tacacgagca	gtcagcagat	120
ccatgaggcc	attctgngcc	ncacngnnna	tgatnnnnac	accngatata	ncatgntgta	180
gtgccctnct	acagacantg	ncnatcagt	nccncttann	ngacnccaan	nnantnccn	240
nnngtgcctt	ttannnaca	g				261

<210> 785

<211> 300

<212> DNA

<213> Homo sapiens

<400> 785

aattccgcttg	ctgtcgcttg	tttttcagac	ctcgaactat	ggagaacagg	aattgaagcc	60
caggtggatg	gtccaatgcc	agaccatgga	tcatcagcct	gggacaccaa	agtgccacac	120
tctcagagtg	aggatgattt	ttaggaagtc	agctctacca	ccctccatac	caggaaagtgc	180
aagcagactc	atctcatgat	cgagcagaat	atgagaatcc	ttttgaagtt	ataagtctgt	240
atggatttgt	agcacatgtt	catacaatta	gatggggacca	aatcccttaa	tttattaaga	300

<210> 786

<211> 262
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(262)
 <223> n = A,T,C or G

<400> 786
 aattcgttgc tgtcggaggt tattgctttc caggggtcac tctggcttcg actccgtcgc 60
 tctcaattcg tcaccaggag gaagacggag ctggctgccc agcccaaagg cccatgaggg 120
 gatgcagtta tgggctctgt cgccgtggat tggtattttg tgtcagtann taatnctnt 180
 tgnngcnnaca tgnngaagaa ncgntcnntg gnaanactg ttccnntcga agatnctnt 240
 gagctnnnaa ncnnttgnnt nt 262

<210> 787
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 787
 aattccgttg ctgtcgcaag ggtcttctct ttcactcaag ctgccattct cctagccatt 60
 tgtggcttga caccccaaga gctttattct ctcttttcat tgcttgagtc caccaagata 120
 ccaagttagg tcacctttta ttttaaatca gccccaacga gggteccctc cttttcactt 180
 ttactctct gctctaattc aggtcttcat aaatttttgg gcttttagct gatttccctg 240
 cctgcctctt tcaaagccct ttaccactg cggaatcata tttaccatgc aggactgcca 300

<210> 788
 <211> 285
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(285)
 <223> n = A,T,C or G

<400> 788
 gacaacttca aaaacaaatg agaagcccaa ggaactgtga gcaattaaaa gcaaaccgcg 60
 acaccctttg tctccaccac acatagtgtg ctttggaagc acaacgtcca ggctgggtacc 120
 gcagcgccat gccattcct nttntnattc nttggacact tcaatttctt nnatannntt 180
 attanntnt gnttttattt tanncnntct gntngctntt taaattttnn ntntcntann 240
 ngttntnnan ntnananata ctntntntn nactnntatt ttaca 285

<210> 789
 <211> 266
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(266)
 <223> n = A,T,C or G

<400> 789

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gtccgacgcg cctggctagg agcgccgacc gcagggcctc tacggacctt actagaaaaa    60
tgaaacctga tgaaactcct atgtttgacc caagtctact caaagaagtg gactggagtc    120
agaatacagc tacattgtct ccagccatct cccaacaca tcctggagaa ggnttggcgt    180
ngagnnctct nngaangnnn nnnnnnnngn tggganntnn actgtctntt ncattngttn    240
tntctttgan tttctattnn gncacg                                         266

```

```

<210> 790
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

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```

<400> 790
cctggcantt tnccananat ctctaantnc gaagctgtcg aaagaccaca agtttcagag    60
catggagaca ttctgtctga atcgcttctc cacctcctcg gcaattgtct attctagggt    120
tgggcatcat agttggtcag tcttaattcc catgccaaag gacaaacagg tgtgacattt    180
ggatagatga atactgggat tggtctctgga gcatgtgttt tgagttgaac cttgcagtcc    240
tttctctacg cccgtggatt ttgtggaac actttgcaat ctctttgtct tttttttttt    300

```

```

<210> 791
<211> 292
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(292)
<223> n = A,T,C or G

```

```

<400> 791
aattccgttg ctgtcggccg ctctctgtaa gtgtttgctt gtgcaaaaagg gaatagtgcc    60
gtggagggtg gtgtgtccat ggcacccgga gcgaggcgac tgtcctgcgt gggtagccct    120
aggacgcaga gtgaggccnc canccanagt cagacccttt gnacctgna catngtanca    180
ttanacactt tatatactg agccnatnag cctgtncct caancanccan cctgacttg    240
gatatgnnga anaggacnan ttgngngent cnnatactnn tttngcttac tc          292

```

```

<210> 792
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 792
aattccgttg ctgtcgtctc ctacctttgg accagccagg gctgtttata agtgctaaag    60
cccgaacaaa ccaaagagtt ggggagaaaag gcctaactaa cagctgagtg attgtctaac    120
agactgtctt ttaggccagt gactctggca tagggcaggc tgcatagcca gcaacatccc    180
ttaccacagg tctagtgatt cctctgggct caaatgtgga ggctacacac ccactcctta    240
gcagagggtg gcttggcacc tgctggtgcc ccaagaacta tggcatggtt agaccctggc    300

```

```

<210> 793
<211> 300
<212> DNA
<213> Homo sapiens

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<400> 793
aattccgttg ctgtcgtcca ttctttggac acccaaactc agccccctta aagagtggaa 60
acaaaacaag ctgcactttg cagaggtggt aaatgaaagg actcttggcc taacttcaag 120
agtcctctgg ggtttgaagg ggcaaagttt gagtctggat ggaacctggg ctgaggtacc 180
ttaagcttcc ccccgcaaca cccagcctc agggattgag ggagttgtca gagatctgat 240
ggatccgaaa ggggcagggc caggggatta ggtttggggc cagaggttct gttttccagg 300

<210> 794
<211> 260
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (260)
<223> n = A,T,C or G

<400> 794
aattccgttg ctgtcgcggg gaagtgggag cgccggggcc tgctgcgggg gggaggtgtg 60
ggaggtttta cnanatggga cttgggtata tttnttatta aantnattat nantntnta 120
tnactatntt ntnatnnnat atnttttant ntnttctta cnntntntc tnttaaattt 180
ntttctata ctntntttan ntntgntatn tatttttttn tatntntna nttatattaa 240
tntnttttac atatnttaaa 260

<210> 795
<211> 300
<212> DNA
<213> Homo sapiens

<400> 795
aattccgttg ctgtcgcttg tatatccctt aaactcctca cctatatcac aaaaacctgc 60
caaggcagaa tacattccct tgggaaagga gctttggcgg gcaagcaggc atcgggtccc 120
atctgacacc agcgtgatcg ccacaggagc catctaggaa aggggaatgg aaactgagat 180
gctggcactt tgggccctgc caatgagcta aagcagtgtg taattaagga attgcacagg 240
cttccttccc caggacaaaag cagcgcacag tcttcttggg ttactgtcct cttacagcaa 300

<210> 796
<211> 300
<212> DNA
<213> Homo sapiens

<400> 796
aattccgttg ctgtcgcttg ggtataacct aacccaaaga aaagtggcat gtgctgaaac 60
tgagtgtcac agagctgtga ggttgggtct ttgggattag cttcattttc cagggtttgc 120
cctttgccct tcaaccaaag gacaaagtca tgtaacagc tgctactaag tctatatgcc 180
cattcggtca taccacaaaa caggcatctg actcctctgg tcaccatgga atcaaggcac 240
tgtcaagtgg tgggggggtcc acaggcacag tgggcttcac tctggaacag gattactggg 300

<210> 797
<211> 300
<212> DNA
<213> Homo sapiens

<400> 797
aattccgttg ctgtcggcca ggggaggtca aggctgcagt ggactgagat tgcaccactg 60
cactccagcc tggataacag agtaaaatct tgtctttaa aaaaaaagta tgactcagca 120

gatggaggag cctcccattt ggtctttcct ttccgtttgg tttgtcttcc aaatctcctc 180
 cagcctgctg tgtattcctc agcaactcac ttcaagcacc agcctgatcc tgtagatgaa 240
 ccctgcataa ctttctccgt caacaaacac ctgaggatct gctgtgtccc cagtactagg 300

<210> 798
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 798
 aattccgttg ctgtcgactt ttcagaatgt tcatgatttt aatgagctga aagatagaga 60
 ttcagaaaca cgagttgatc tgaaatttat gtacctggat cctccaagag atcatcacac 120
 cttagagatt cagcagcaag ccctgctaag agagcagcag aagaggctga acagaataaa 180
 aatgcaggaa ggtgccaaag ttgacttaga tgccatccca agtgctaaag tacgagagca 240
 aagaatgccc agagatgaca ctagtgattt cttgaaaaac tcattattgg aatctgatag 300

<210> 799
 <211> 259
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(259)
 <223> n = A,T,C or G

<400> 799
 aattccgttg ctgtcgggaa agtagcaaaa gagtaggaga tggggaaata gggatgggga 60
 gagcaagccc cgcatgtcca tggcgagtca ggtggggagc acgggtggaa gggccngctg 120
 tnnactgatn gnctnnccctg tgtnttcnag tgaganntcn gtantcnggg tgcactccnt 180
 gctgtacnct cnnccctatn ctgngnctac tctgatnatg antcnaccct tatnngnctn 240
 netgctcntt tgctctcng 259

<210> 800
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 800
 atttttagtt ttctgagtac accgtcccag aaagaaatac gctataaac ccaccagcct 60
 gagggctgca ttgctgtgga agcaggaatg gataccctta tcatgcatct ctgcaagaa 120
 actgccccag agaatcagaa gtcatcttg caggaggatg gatctttatt tcacgaacag 180
 tccaagaaat gtgtccaggc tgcgaggaag gagtcgagtg acagtttctg tccactctta 240
 cgagactgca ccaactcgga tcatcagaaa tggttcttca aagagcgcat gttatgaagc 300

<210> 801
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 801
 aattccgttg ctgtcggcca agggctccac tccagtcctt tgctgtcaa tcagaagatg 60
 ctgagaggag aggccttctgc atcatcttca tcttgacatt ccaagagcag taccgggtca 120
 gcatccacaa aagcacactg taaaactggg aactgtgtct tacccttctg gagtgaaaag 180
 ggaaagttaa tgctcagcc tgaggcaggt gggccccttg ccatgcacac ctttgccttg 240
 cagccaggga tccacttggc tgggctcaac ccttccccgt cagggacgac tgcacagaaa 300

<210> 802
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 802
 gggttcctgcc ggctgtattc gggccttggg ctggactgag aagctacggt gcggatccag 60
 ctgggggtgga gaccatccat ggaaaagaac cccctgatg atacggggcc cgtgcacgtg 120
 cctttggggc atattgtggc caatgagaaa tggcgcggtg cacagctggc gcaggagatg 180
 caagatgctg cattctttat gtcaccgaag ctgatttggg ggcaggaaat ggctacagaa 240
 agaggcttgt tcgggttaga aattccaata atcttaaagg aattgtagtc gttgaaaaaa 300

<210> 803
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 803
 aattccgttg ctgtcggctg gtggcaccct cccctggggc ggaagactgg gaattcctgc 60
 taagtgtggc ttctagagtg tttgtgtgta ccccgcttct gactgcctag ggcgagtggg 120
 catcctgtca tcattctccac tgtcccaagc agtcactagg tggcgggcgg gccagctgga 180
 acccagccca tcctctcagg cagagcaggg tggtcggggc aactggggc tgcctctcca 240
 gcctcaggat gctcttgttt attctgggct cagaccctcc tcttgtagct ctcacacag 300

<210> 804
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 804
 aattccgttg ctgtcggagag gtcagtgggt ttgccgccgt gcatatcacg cccttcccc 60
 acgttcccc taccacagga cctccttggg acttacacgg aggcccgagg tcagaaagca 120
 cttctgggtc aagctgaggc aaggccgccc cccatcccc acccctgcc tgcctcgcca 180
 ctcaacaccc tggcggttcg aacaccctcc atggccaaag tgaccactcc ctgtctgctg 240
 aagtgttttc atccccatgc tcacatggac acccagccac cagcgtggtc tcaggcacat 300

<210> 805
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 805
 aattccgttg ctgtcggccc agggcctagc aatgtatctt caggaaaacg gcattgactg 60
 ccccaaatgc aagttctcgt acgccctggc ccgaggaggc tgcattgact ttcactgtac 120
 ccagtgcgc caccagttct gcagcggctg ctacaatgcc ttttacgcca agaataaatg 180
 tccagagcct aactgcaggg tgaaaaagtc cctgcacggc caccaccctc gagactgcct 240
 cttctacctg cgggactgga ctgctctccg gcttcagaag ctgctacagg acaataacgt 300

<210> 806
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 806
 aattccgttg ctgtcggcct gcccagagtg cgggccgagg gtcaggggcg cgcattggcat 60
 ccccgacctg gcccacaaagc tccatttcta tgaccgctgg gctccggact acgaccagtg 120

ctgggattat	aggcatgagc	cactgtgcct	ggctctgctc	catgaatgta	gagaagagag	180
gcatttccaa	gaccaggtga	ggaatccaca	tgggggtgcac	cctaaggcag	aaaggagagg	240
ggctgagcat	gagaacgagg	aggcgctggc	tggctgcagg	acaggaaatc	atagaggtgg	300

<210> 807
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 807						
aattccgttg	ctgtcgctcc	cctcccagga	gcctggggat	gccaaacatc	cagaatgtga	60
tgggacaaga	tgggggcagg	ggcctcacct	ccctgcagag	gtccggccag	gtctccttgt	120
ccctggacaa	tctcctgagc	ctctctgctt	ggtggagcag	gcacctgtgt	gcagaattcc	180
cactgtggcc	agcacgagga	agtcttttct	agtgaaatg	tgtcttgtgg	tcaggaataa	240
ttatcctttc	ccctgtagcc	accaaggagg	gcaaatagag	aaaggttaacc	taattgaagg	300

<210> 808
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 808						
aattccgttg	ctgtcggaag	accgccagcc	tgatagccaa	cagttgtaaa	gcagtctctg	60
ttctaggatg	tccccaccca	gtggtgcatg	agatcgccct	tcagtacgga	aaaaatgtag	120
gaatagcttt	tcagctaata	gatgatgtat	tggacttcac	ctcgcgcttct	gaccagatgg	180
gcaaaccaac	atcagctgat	ctgaagctcg	ggttagccac	tggtcctgtc	ctgtttgcct	240
gtcagcagtt	cccagaaatg	aatgctatga	tcatgcgacg	gttcagtttg	cctggagatg	300

<210> 809
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 809						
aattccgttg	ctgtcgccct	agtcttccat	tagctctttc	actggaattt	gagtatatgt	60
tacatgaagg	ttggttttca	atttgaacgt	ctagaaagat	actcatttct	aatacctatg	120
cactgtagtt	tcagggtttac	ttgcagacac	cctggtaggg	ttaagaggag	gatatttcca	180
agttatttta	aattgagttt	acttttaact	ggggttcttg	actctagtgt	aattgctcca	240
acaactacgt	agaagtcaaa	atgagtgact	ttagtgaagc	ttctgtactt	tacaatacat	300

<210> 810
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 810						
aattccgttg	ctgtcggaag	ggtgctgcta	ttgggtctat	ggaagcttat	ctatcaaagg	60
agcaaacgtc	cagaaaagtg	tttataaagc	aaatgtattg	cctctgttta	gagatttgcc	120
cagctgtttc	agtttttaac	attaaaaaat	aaactcagtt	gccatggcaa	aaatagaatg	180
cacagcttac	ttataatttt	ccatgcagta	tagcataagg	atttttgact	tgaacaacc	240
aaagaactcc	tccttaacga	gacagttcaa	attcctgaat	tagtatttct	tgactatcaa	300

<210> 811
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 811

aattgttgt	gtcgtctgt	gtaagggett	gtctccctcc	cagtttttct	tttgtccac	60
gtcattttgt	caggttggt	ataagccgga	ggcagcttta	accagccccc	agggatgatt	120
gtgaaggagg	cccctcccct	tgtgaggagg	gggcactcct	ctccagcccc	tggtaccaca	180
gtcctcacga	tggtgcagt	atttctagcc	aggcgtcaag	atgcgctgct	ttccctctcc	240
tgctcatccc	ttgttggcag	ctccagttca	ggcgtggag	ggacgtgatg	ctgggctgtg	300

<210> 812

<211> 300

<212> DNA

<213> Homo sapiens

<400> 812

aattccgttg	ctgtcgcatt	aactttcagt	ttcccatgt	tacttttgta	acagggattt	60
gagaccttaa	actgttcac	aaagtaagcc	ctaataaaaa	ggcagagcaa	taagagcaca	120
tgctgatgta	attctccttt	gcaaggagaa	tttcatttag	ttccattgtc	atatagacca	180
gtgtcacccc	ttttccctga	ttcctactga	taacaactat	ttttcagtgc	ctttgaagat	240
actgaccctt	ctacctgccc	agctgttttt	aaacagctgg	agcgtgatga	tggtcataaa	300

<210> 813

<211> 300

<212> DNA

<213> Homo sapiens

<400> 813

gctagatttt	cccatgggtgc	cgttcccttg	cagacagagg	attcggagag	ccctaggaga	60
caggcctgca	ggaatgtgct	tcattagctg	cagtgcgctg	gtgctgccta	acagaacgca	120
cactggctgt	cactaggaag	cgccatacgg	ttgctatcac	ccaacatggg	gaaaggggta	180
tggtattcac	tgtgaatatg	ccaaggacac	ctctaaactt	cccccatgtc	agtcagatga	240
agttactact	atatttcacc	accctgcagg	taactgaaac	tcaattaccg	ctgccgctca	300

<210> 814

<211> 300

<212> DNA

<213> Homo sapiens

<400> 814

aattccgttg	ctgtcgcagg	gtggctgcac	aattggcccc	tctatgctat	tgaacccccct	60
taaggagggc	tccttgctag	ccctctgggt	tgtggtaaat	tctgctggga	catattttac	120
atthttgcatg	aagccatggt	ggagattcct	ttagctaaat	ataacatctg	gagaaagtag	180
cctcctgttc	acagcttaaa	aacagactga	ctttgtctag	gacgagaggg	aaaattgagc	240
ccgtttgggtg	ctcctgacat	ctcctttcat	gtaatgaaag	ctcagctctgt	ctaacctctg	300

<210> 815

<211> 300

<212> DNA

<213> Homo sapiens

<400> 815

aattcgttgc	tgctgcactg	ctttagcgag	agagggttta	cttaggaaga	attgggatag	60
aaattcccag	ctgagagAAC	ttagctgtgg	gtcctcagc	tactgacttc	ttagctctta	120
atcccccttag	aatttcacat	ttctcgatga	gcaggctctg	caccactct	ttttttgccc	180
cccgcctca	tcctggagt	tgagggtgct	cgcccgact	ctcagctgcc	tctcagggac	240
tgactgttc	ctcttcaccc	ccaggttcct	gctaagatcc	cacgggcgag	ggcttgcctc	300

<210> 816

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 816
 aattccgttg ctgtcgggtgc tgtcatcgag tcccagggtca catcgtcaca ctcacagcc 60
 ctctgcggcc agtgteccca cctcctgccca tgtttcccta gtagcttggc ctttatccag 120
 aactgtgagg ctgctgtggg gtgcagcgtc cttaggaggg tcctgctgga gcagtggccc 180
 taagtgtgagc tggactgtgt gaggcacccc agccctccac ggcaaggccg gggcctgggg 240
 gtgctgggtgc ctgtgtgcag cctgaaggct gccctcttgc tgcttcagcg agtggaagc 300

<210> 817
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 817
 aattccgttg ctgtcggccg tctagtttgg tgtgcaagga tgatgtttgg agcaataaga 60
 acgtcgcttt gtttttttcc ttttatagaa agagcaaggc tcagggtagg cattaggcgg 120
 ggtgtagggt tagaaggaac tggattattg gtttattgca tttagaatgt cagtctggtc 180
 cttgcggtgt caagatgaac tcacgtggga tgtaattca cttgtaaaac tgagggttat 240
 acatatgtgc tcagggtattg ggctgaacag gtgctttggg ggtgctttta tgtgcccagc 300

<210> 818
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (300)
 <223> n = A,T,C or G

<400> 818
 aattccgttg ctgtcgagcc agttgaattt atggaatcta ccaactgttt agggccctga 60
 tttgctgggc agtttttctg tattttataa gtatcttcat gtatccctgt tactgatagg 120
 gatacatgct cttagaaaat tcactattgg ctgggagtgg tggtcatgc ctgtaatccc 180
 agcacttggg gaggtgagg ttgcgccact acactccagc ctgggtgaca gagtgagact 240
 ctgcctcaaa aaaaaaaaaa aanttcnntn ttacaancc taaactnttt aaaatccaaa 300

<210> 819
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 819
 aattccgttg ctgtcgaagg ttgcgtagct aataagtggc agaactgaca tgcaaaacca 60
 gtctgtctgc cccacagat gcatgttctt taccatcacg taggtcaggc caggatgtca 120
 aggagagcaa cccgaacta gtcctggtga tttagactag agcgtcttcc actgctgtga 180
 ttcccttcatt ggcactttct tccagttgta cagtgtctgt ctttgcttgg tctttgcttg 240
 ttctaccctt agtttagcag atatccctct ctccatgaac aagggtgagt agctcttttt 300

<210> 820
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 820

aattccggtg	ctgtcgccaa	acaaacattg	cagggttgat	cctagtcttg	aaagttcggg	60
cctttcctct	tggcctgttt	ctggaggaaa	tgctcatgag	gtgggtgaga	ggcggatgac	120
atcctgtcgc	tctggcctca	ccctggggat	gccacatgac	agcaccgcag	cattttcaat	180
aggtagacca	cctgcgagga	ggaaggaaaa	atgtgcccaa	ggccattatg	gagaacaaac	240
acctatgcag	ttggagaatg	ctgaagacac	ccaagggtgt	tgctcctctc	ctcctgagag	300

<210> 821

<211> 300

<212> DNA

<213> Homo sapiens

<400> 821

aattccggtg	ctgtcgccac	tggtggcaag	aggctgctga	tccccgttgt	gcctgggtgtg	60
gacagcctca	actcggccat	ggcggcaagc	atcctgcttt	tcgaaggga	aagacagctg	120
cgggggaggt	ctgggaagtt	gagcaggagc	aggagtacc	actgaggacg	cagaagtgc	180
ttctgcttga	ggacgtctgc	agctcctcct	acaccagcac	actggtggga	ggctggcgga	240
gtcagtgc	atggcccacg	ttcaggagga	agggtgtgat	ccgtcataca	gttacaggaa	300

<210> 822

<211> 285

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (285)

<223> n = A,T,C or G

<400> 822

aattccggtg	ctgtcgctga	cggcgctttt	gtctccgggt	ccagaggcct	ttcagaagga	60
gaaggcagct	ctgtttctct	gcagaggagt	agggtccttt	cagccatgaa	gcattgtgtg	120
aacctctacc	tgtaggtgt	ggtactgacc	ctactctcca	tcttcgttag	agtgtggan	180
tnctacagg	gcttactaga	ganccnactn	ccngngacct	nntggancan	cnnaancnn	240
ntancgaacn	nagagcncac	caanaggcct	naccaccatc	catcc		285

<210> 823

<211> 300

<212> DNA

<213> Homo sapiens

<400> 823

aattccggtg	ctgtcgcaaa	tctttgccac	ttctaaagcc	caaaaattac	tattccggat	60
catagattgg	ttactgctgc	cacatgcagt	attacagcaa	gagaaggaa	tgctgcacc	120
tatgttgtca	gcaattcaga	aaagtcttcc	tttgtatctc	cagggcattg	gtatcgtgtg	180
ttgtcaatct	caaaatccga	atgcctatct	gaatcaattg	ctagggaatg	ttattgagca	240
gtatattggg	cgatttcttc	cagcttcacc	atatgtttca	gatcttggac	aacatcctgt	300

<210> 824

<211> 300

<212> DNA

<213> Homo sapiens

<400> 824

aattccggtg	ctgtcggaac	agagaacaac	atgagattaa	aaatgagact	aaaaggagta	60
gcactgtaga	tggtttaagg	aaaagacccc	tcactgtatt	tgatggaagt	tcaacaagta	120

caagcataaa	agtgaaaaag	acagagaatg	gagataatga	tcgactgaag	cctccccgc	180
aggcaagctt	taccagtaat	gccttttagaa	aattatcaaa	ttcctcttcg	agtgtttcac	240
ccctaatttt	gtctttccaat	ttgcctgtga	acaataaaac	ggaacacaat	aataatgacg	300

<210> 825

<211> 300

<212> DNA

<213> Homo sapiens

<400> 825

aattccgttg	ctgtcgctta	aactcggagc	agtgggaccc	tgaagatgtg	aacctcgaag	60
gcagcaaaga	aaatgtggag	ctactgggat	cccagggtgca	ccaggactct	gtgaggacag	120
cacacctgag	tgatgatgat	taacaccttc	tggagccagc	tcatcagctc	agagcccagg	180
gtcaggagtt	cgttcagtaa	cgcagcggga	atcaatctgc	actgacaccg	cggcaggaac	240
tgaagctgcc	ctggcaagtg	aggaaccagg	agccgtcact	gagtgtggct	gggctacatc	300

<210> 826

<211> 300

<212> DNA

<213> Homo sapiens

<400> 826

cccacactcg	agcccaccg	gccggccagc	tttagaggag	gggaggagca	gggcgagttc	60
acattattcc	ttttccatcg	gaagtggcgc	tcgtgcattc	aactcgttcc	cgctcatgga	120
acccctcttt	aaaaagacgc	agggcacctg	tgagcgcagg	agcgagccta	aggccacca	180
gcggcagcgc	ccgtgtcctg	ggcactcagc	gtgctgggca	gagcaggtgc	gatggcccca	240
gtcctagcag	ccctcgccca	tgtcctgtgc	ccttacatgg	ctcccggact	gtgcaggag	300

<210> 827

<211> 267

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(267)

<223> n = A,T,C or G

<400> 827

aattccgttg	ctgtcggttt	ttgttttaag	agagtataag	gtgtctcatt	tgagtctttt	60
tcttacctag	ccccctctta	tcagtaaaac	aaaggacttg	ccatggttca	cagcaatgtg	120
ctacgatcca	agatatcagc	caaggagccc	acttagggga	gaactaggtg	tccagatttt	180
tgtatgtgtt	gnttttcttg	ggggatgggg	tggggtttcn	nntccnntat	tnnnantgtt	240
tnncnnnnan	ctntgncnct	ntacanc				267

<210> 828

<211> 300

<212> DNA

<213> Homo sapiens

<400> 828

aattccgttg	ctgtcgcatt	ttcaacaaaa	catccctgga	gtcagatttt	gagttgggg	60
gggctaata	gggagtcggg	gctctctgcg	tgatgtcagt	tctatggcta	actggttttt	120
ctaaaccagc	cagctgccta	tcaaaacagt	acaacttttc	taggaaatgc	aattggcaaa	180
gacacttacg	atgctgagaa	gtacacaagg	tgaaactgct	ccagtttttc	tcatagcagg	240
gtcagcagga	aagcaagtgg	tgcccctggt	cccattctac	acagggtgaga	ctgcaccgag	300

<210> 829
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 829
 aattccgttg ctgtcgggtt gttgaaagtc cagatttttc caaggatgag gactacttag 60
 gaaaggttgg aatgttaaat ggaggcgcgc gaattgacta cgttctccaa gaaaaaccaa 120
 tagagagttt taatgaatac cttttcgtc ttcagagtca cttatgctat tgggaatctg 180
 aagatactgc tctgttacta cttaaagaaa tttatcgaac aatgaacatt agtccagaac 240
 agccccagca ttgatcaaac ttcagtttta ctgtactttc ttgtctgcac agaaagtccc 300

<210> 830
 <211> 298
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(298)
 <223> n = A,T,C or G

<400> 830
 aattccgttg ctgtcgggtc atcttctctt tctctgcccc tgcatttcca tcccaggagg 60
 accactgggc acaaggaaca tcagaaacca gggagcagtg tgcattggga ttccttccag 120
 acgctgagag ctgagaagtc gtcccccttt cataaccttg ctcagactca ggaggttgag 180
 gcagaagaat cgcttgaacc caggaggcag aggttgagc gaaccgagat ggcgccaact 240
 gcactccagc ctggtgacag agcgagactc cgtctcaaaa aaaaaaanca aaccaaaa 298

<210> 831
 <211> 292
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(292)
 <223> n = A,T,C or G

<400> 831
 aattccgttg ctgtcggcag ctagtaattt gccttctgga ttcctggcac ctgtgtttgc 60
 tctgtttgta ccattttact gctccatacc aagagtccaa gtggcacaaa ttctgggtcc 120
 gttgtccatc acaacaaga cattgattta tatattggga ctgcagcttt tcacctctgg 180
 ttctacatc tggattgtag ccataagtgg acttatgtcc gntctntnncn acgacnactt 240
 gatgaccaag tntgtcatna tgngaataaa taactactan agactaaact at 292

<210> 832
 <211> 196
 <212> DNA
 <213> Homo sapiens

<400> 832
 aattccgttg ctgtcggttt atatccagga tccgtgcctt tccaccgggt gtggtgggcc 60
 cagaggcagc caaggagtgt gctcttctgt ccagatgagc cttggagccc agaattggaa 120
 acaaatcaag catcgccct aagaggaact gaaagcagcc acccaactct tccccagggc 180
 cctcattctg aataga 196

<210> 833
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 833
 aattccgttg ctgtcgatcc cacgtatatt tttcacccaa gatgtcggat tactcttccc 60
 aatgatgaga cgcgtgtgaa tgcaacgatg gaagatgtga atgactggct gactgaactc 120
 tatggcgatc agcctccatt ttctgagcgg aaattcccta cggagtgtct ctttctcacc 180
 ctgcatgctc accacctctc tattctgcct agttgccgtc gctatatccg cagactccgg 240
 gctatccggg agctcaatag aactgtagaa gatttgaaaa ataataaaag ccaatggaaa 300

<210> 834
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 834
 aattccgttg ctgtcgattt ttcattatgt ctacggagga gtgtctctgt tatatcagta 60
 ggaaatcaag gtggcttttt cagagactgt gttggttcct ttcaaattatt tgaaacactg 120
 acagaaggag acatttttaga tttcctcaaa gtttacctg cccagttttg gggggaggca 180
 tgccctagttt ctttgaaact ggctatgttt tccttaatac ctgatttgcc tttctctgta 240
 atccttaaaa taaaatttgt taaaagtgtt cttcattatg gaaacaatat atatgtggta 300

<210> 835
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 835
 aattccgttg ctgtcgttta atactttttt ttgctaagtg ctgctgggaa acacatggag 60
 gagaacaaaa cccgacaagc ctggtgctgc tcttactgta tctgtggggt ggggaatggg 120
 gaagtctga aaatttacag gtgtgtctca gactaaaagg tttcaaaaca ctgtgtctgaa 180
 gcagtgcgtg ttgaggtaga aggcacagga gtgttcctgt ggttgggaga gatatactgt 240
 gtccagaatt tgaggcagga gatagaggtt ttgctggttg gattgtggtg agactcctag 300

<210> 836
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 836
 gccccaagga gtgctagctg aggggtggtg ctgggggtgg cctcatggac agtgagggtg 60
 gcaagggtgc actgaggggtg gtgggagggg atcacctggg ttccaggcca tccttgtctga 120
 gcatctttga gcctgccttc cgggtgggagc agaaaaggcc agaccctgct gagtttagagg 180
 ctgctgggat ccaactgtttc cacacagcgg gaaggctgct gggaacaggt ggcagagaag 240
 tgccatgttt gcgttgagcc ttgcagctct tcagctggg gactgggtgct tgctgaaacc 300

<210> 837
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 837
 aattccgttg ctgtcggaga tggcggagtt ggacatcggg cagcactgcc aggtggagca 60
 ttgccggcag cgagattttc ttccatttgt gtgtgatgat tggtcaggaa tattttgggtg 120

actgtaatca atgagagact gaagacagat caacatacat cttacccatg ctctttcaaa	180
gactgtgctg agagagaact tgtggcagtt atatgtcctt attgtgagaa gaatttttgc	240
ctgagacacc gtcatcagtc agatcatgag tgtgaaaaac tggaaatccc aaagcctcga	300

<210> 838

<211> 300

<212> DNA

<213> Homo sapiens

<400> 838

aattccggtt ctgtcgattt tgaggaggat ggatgaacag agaccgaacg tgcaggaaca	60
gatgtggtca ccgaagtccc cacacgctgg ctctccacac ccctcctgtt ccagaaagca	120
tgtccgaaag cagtcagga gattattaag gggctgccat gaatccactt tggtttttaa	180
accattcccc aatgtcctag tggatttgtt tgtgctgcct aagctgccgg tgcaggagc	240
cagagaagtg acccccgcgg gagcagcgcc aggtggatct ccacggtggc tcgcttttgt	300

<210> 839

<211> 300

<212> DNA

<213> Homo sapiens

<400> 839

aattccggtt ctgtcgctgc gatcctttct gtagcagtga ttctaaagtg gcgtttgctg	60
tgtgcttgag agtaacactg cacgctgcag gggctgttgc agcagtcagt cccaggaagc	120
cacagcgctt gtaggatctg ctaggaccct gcagctgtgc tgccgccacc tctgctccag	180
agtgtcccag ccaaccctcg gaagatggga ttgccagtca gccctgcctc accatgcctg	240
caggaggctg tccagggagc aggtctgtgt gcccatcagc aggttcccat ggctgtcact	300

<210> 840

<211> 300

<212> DNA

<213> Homo sapiens

<400> 840

aattccggtt ctgtcgacac cctcctgccc cactgccctg cttggactct gactcccact	60
cactctggga agcctcctcc tacccaacat ggacgatctc ctcatgcctg cttgggcact	120
ggcctccatt ctcgggggcc ctaatgctta gacatgctcc tcaccctctg cagctctgac	180
accctgtgtt gggatgccct cacatgggta cccctcatt ctgcctgtgc ttcaacaccc	240
caggcccagc tgtgctgtgc gtgaataccc ttccacccca ctcaggttct gacttcccac	300

<210> 841

<211> 300

<212> DNA

<213> Homo sapiens

<400> 841

aattccggtt ctgtcgggat agacaaggta aagccgtatc tcccaatgat catagctcct	60
ttgtttcggg aactcaacag cacctattca gagcaagatc ctttgtgtaa gaatctatcc	120
caggaaatca tagaattact caaaaagctg gttgggcttg agagcttctc attagccttt	180
gcctctgtac agaaacaggc taatgagaaa agggcactcc ggaaaaagag gaaggccctg	240
gagtttgtaa ctaatcctga tattgtgtcc aagaaaaaaa tgaagaaaca caaaaataaa	300

<210> 842

<211> 300

<212> DNA

<213> Homo sapiens

<400> 842

aattccgttc	tgctcgggttc	ccttgatccc	cagccccttg	tcatcagcag	tgcccctgat	60
cctacctcag	gccccttcag	gcccattcta	tgccatctac	ctgcagccca	ctcaagccca	120
ccaaagtgtg	acgccacccc	aaggcctgag	cccaacgggtg	tgaccacccc	actcttctaa	180
agctactggc	tcaaaagact	ccacagatgc	caccactgag	aaggcagcca	atgatacctc	240
aaagggcagt	gcctctacca	ggcctggaag	cttgctgcca	gcaccagaga	ggcaaggggc	300

<210> 843

<211> 300

<212> DNA

<213> Homo sapiens

<400> 843

aattccgttg	ctgtcggctc	agccagtggg	aatcccgcga	agcagaggca	gccagtatgg	60
ggggccaggc	tggtcttcgt	acggggagga	cgaagcgggg	cgaagagagg	ccacacacat	120
gctcggacat	caagagtatt	cttcttcacc	gctatttcag	gtgccaaagg	cttcaggcag	180
ggagccctca	gctccttcgg	ggaacctccc	ccaccgggga	ctgcagggcc	ctgggctggg	240
ttaccccacc	agctccacgg	aagacctcca	gcctggccac	tcctcggcct	ctctcatcaa	300

<210> 844

<211> 300

<212> DNA

<213> Homo sapiens

<400> 844

aattccgttg	ctgtcggctc	tggtcggcgc	tgacgcagcc	atggcggagg	cggctttgga	60
agccgtgcgg	agcaggttac	gagaattccc	ggccgctgca	aggggtggga	gctgccctgg	120
ggtcagggtg	gagcagtgat	tactggcatc	tggtcatggg	ctgagtgtcc	attcctctag	180
agccacagtg	ggctccacag	aggtgagtgt	ggccgtgacc	ccagatgggt	acgcggatgc	240
cgtgagaggg	gatcgcttca	tgatgccagc	tgagcgcgc	ctgcccctga	gcttcgtgct	300

<210> 845

<211> 300

<212> DNA

<213> Homo sapiens

<400> 845

aattccgttg	ctgtcgatca	gtattgtggc	ccaggtggac	cagaccggct	ccaagtccag	60
taacctcctg	gatctgaaaa	accccttctt	tagatacacg	ggcacaacgc	cctcaccccc	120
acccggctcc	cactacacat	ctccctcgga	aaacatgtgg	aacacgggca	gcacctacaa	180
cctcagcagc	gggatggccg	tggtcaggat	gcccagccgc	tatgacttga	gcagtgttat	240
tgacgtggct	ccagcgtggg	ccacaacaac	ctgattcctt	tagggtcctc	cggcgccag	300

<210> 846

<211> 300

<212> DNA

<213> Homo sapiens

<400> 846

aattccgttg	ctgtcgggtg	cagctgccgc	caccgccgct	tctgcaaggt	ctcagggacg	60
ggctgcagcc	atgtcctatt	gccggcagga	aggggaaggat	cgaatcatat	ttgtaaccaa	120
agaagatcat	gaaactccaa	gcagtgcaga	attgggtggct	gatgacccca	acgatccata	180
cgaggagcat	ggattgatac	tgccaaatgg	aaacattaac	tggaactgcc	catgccttgg	240
gggaatggcc	agcggtcctt	gtggagaaca	gtttaagtca	gccttttctt	gcttccacta	300

<210> 847

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 847
 aattccgttg ctgtcgcaaa atgtaagctg tgetcctctc atttttattt ttattttttt 60
 gggagagaat atttcaaag aacacgtgca ccccatcatc actggaggca aatttcagca 120
 tagatctgta ggatttttag aagaccgtgg gccattgcct tcatgccgtg gtaagtacca 180
 catctacaat tttggtaacc gaactggtgc tttagtaatg tggatttttt tcttttttaa 240
 aagagatgta gcagaataat tcttccagtg caacaaaatc aattttttgc taaacgactc 300

<210> 848
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 848
 aattccgttg ctgtcgcaaa atatctaaat tttgcacagg agagcaatta gagaggctta 60
 aacaggaagg aagtcttcta attccttaaa agcattatct catatttgaa gagttcaagt 120
 ttgatgcaac ataaactgat aaagtttgaa ataaaaagag acaggttggg aggaaagacc 180
 attcatatcc tatcccaaaa ctggcttaag tccactccca ctgccccag ctaccacctt 240
 tttactttat tctacctgct atttctttgg ccaccggaat aataagcctg atgtaaattc 300

<210> 849
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 849
 gaaagaactc cctggctgta gctcctatgt aggttttaggt tgagactctg gattccacaa 60
 tttttaaagg ttaccatctg aggttttctga tcatagtcta cttttgaagc agctgctgct 120
 atttctttat tccattgaac accctggaat tgacataatt ttatctatca gcatttctcc 180
 ccttttagtt tatttaataa ttaacccggt ctccagggca gttttcatat gaccatgtgt 240
 atattcactg ctcacgaata agtttaattg tagattacca aatttaatat agttacagaa 300

<210> 850
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(300)
 <223> n = A,T,C or G

<400> 850
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 atcactccag gcagacagaa gacctaacaa gcactgagat gacagaaaag agaattagaa 120
 aagttctaca gagacacaga ttatcaggaa attgccacat ggttacattt caacttgaat 180
 ttcagattct ggaaattcaa aataaggaga gattatcttc tgctgttact gacctcaaca 240
 taataatgga gccacagaa tgctcagaat taagtgaatt tgtgtctaga gcagaagaga 300

<210> 851
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 851

aattccgttg	ctgtcgcagg	tgactgccaa	cagccagccc	aatgtcgaat	ccagaaatgc	60
accacggact	tcgtgtccct	gacttctcac	ctgaactctg	ccgttgacgg	ctttgactct	120
gagttttgca	aggccttgcg	tgcttatgct	ggctgcaccc	agcgaacttc	aaaagcctgc	180
cgtggcaacc	tggtatacca	ttctgccgtg	ttgggtatca	gtgacctcat	gagccagagg	240
aattgttcca	aggatggacc	cacatcctct	accaaccccc	aagtgaccca	tgatccttgc	300

<210> 852

<211> 300

<212> DNA

<213> Homo sapiens

<400> 852

aattccgatg	ctgacgagtt	tgcatctaaa	taatgcctat	gagttgtgtg	aagctcttgg	60
ctttttttcc	aacgttactt	tggaactaat	gaggggtggat	gttcattgta	gtttatttat	120
ttggttcttt	acatggagga	atttaaaaaa	tcaaattttt	ctcttcacct	ttatgacttg	180
acatttcctt	gatctgttgg	aggctaaaag	taggtataaa	tgatattgaa	tgttgggtat	240
agtgatactc	tgccatagtc	cttactgcat	gaagagaacg	agaagtcaca	caagttcacc	300

<210> 853

<211> 300

<212> DNA

<213> Homo sapiens

<400> 853

aattccgttg	ctgtcgaact	tgtccaagtt	ccagatgacc	aacaaagaca	gctatagaca	60
ctctaactct	gtgccaatta	cccaaggcct	tcagggccct	gggacctatt	ccatgatagt	120
ggtaccctaa	ctgaacccat	ttcagccact	cagattgata	gggtggaaaa	gacagggcag	180
gtggtagcag	ctgtgaagaa	aagaggaaaag	cagaagggtg	gcctataatc	tacagggcatg	240
tagagaggac	tacataggcc	tctgttcttt	gcctcaggag	cccccttcct	gtcccttggg	300

<210> 854

<211> 268

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(268)

<223> n = A,T,C or G

<400> 854

aattccgttg	ctgtcgggtg	cagctgccgc	caccgccgct	tctgcaaggt	ctcagggacg	60
ggctgcagcc	atgtcctatt	gccggcagga	aggggaaggat	cgaatcatat	ttgtaaccaa	120
agaagatcat	gaaactccaa	gcagngcaga	atngngggnt	gangacccca	angatncata	180
cnanganac	gnctagtnan	agtcnanang	nnannnnancn	agnaacannc	nngccangng	240
naananannn	cgnnnnnnnn	nnnaanag				268

<210> 855

<211> 300

<212> DNA

<213> Homo sapiens

<400> 855

aattccgttg	ctgtcgaaac	atctggccaa	cctccaaagt	attttcattt	atcacattct	60
gcctctgtgt	ccaactgtcc	ttgactgttc	gtggtaatgg	gaaactcact	actctggagg	120

tagctattcc attgttggaa agcgtgaga tttaaaagct cctcatgttg aattgaaatc	180
ccatttcctg aggtttgtgc aaccagtgtg tgatatttct agaggctgcc taaaagagtc	240
cagtttagac ctgttacctt agaaggcccc ctccaaagtt agttgatctg ttcagaaaag	300

<210> 856
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 856	
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gaaagagtca gactggtcca ccctccccc gccctgggg ctccttgagc ctctctccag	120
ccttggcagg aggaggaaaa gcagcacctc cctcagacag ctggaaaagg cctcttcctt	180
cccagctcag tgggtccggc caagggtcac cagacgggta tttgtcccca cctccctacc	240
aacccaaga acacactcca caccctctt cgctgctgcg gtgtgaagct tcagcctaac	300

<210> 857
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 857	
aattccgttg ctgtcgggag aaccaggacc ccagagaggt ggggccactg aggctgggtgc	60
agttgcgtc actcatcagc atggcccga ggctggggg catcgggcat accccagcag	120
gcccctatga cgggtgtgtga ccaggccagc ccagtgcact ttctcctgct gcacttggag	180
ggaggggaca tacacacagt ctcccatctc tctccctc cccctggggg ggcccaccgc	240
atgggtacag ggggttccag gaatccaaat ccagcatggc ttggaggagc tctgttggtg	300

<210> 858
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 858	
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catcgaggcc ttcgtgctgc agctggaagg taggaaactc tggcgtgtat accgaccccg	120
agccccaacc gaggaactgg ctctgacatc cagccccaac ttcagtcagg acgacctcgg	180
tgagccggtg ctgcagaccg tgctggaacc tggagatttg ctgtattttc ctcggggctt	240
cattcaccaa gctgaatgcc aggatggagt ccactctctg cacctcacct tgtccacgta	300

<210> 859
 <211> 276
 <212> DNA
 <213> Homo sapiens

<400> 859	
aattccgttg ctgtcgctct taatttcttt ctgggtagta aaaagaacat gtttcattct	60
ttgcataaat acttgactct aagcattgac ctttgaaaac gcttgtatta acaattttta	120
ttaagaaagt gcactctata taacatcttc ttgcattacg atagctcatt agccaataca	180
catgcagcta tgtaagccac aacagcagac gtcctatcct tttgcttttg tttttaaggg	240
atcaaaatat ttcaagggat accatgagga aggggtg	276

<210> 860
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 860
aattccggtt ctgtcgggtt atggccagga aagaagccag cacaggggtta aagtaactcc 60
tggcattgcc caccaggggg ctggtgcacc tgctgacctc agggtcacag ttgagtcatt 120
tgccagttga cggagcaagt ttgaccttgg ttctgttgct gaagcaaatt tggaactttt 180
ctgtctcagt gtgatccact aaccacacagg atcatttgga accttgaata gctctgcttg 240
gacaatgggg ttggggaata gggttgtctt tcctatgaaa atgccatctg tagaccttgt 300

<210> 861
<211> 300
<212> DNA
<213> Homo sapiens

<400> 861
aattccggtt ctgtcggggt tgcccaccca tgggagagct gctctgtatt ttcagcagaa 60
tagggtgtgt tagtgtcaga gcctttataa gaaacaggcc agtaaccag ccccttcca 120
tggaattcat ctcatcgtt gtgacacatg atttcctccc aaccagttt ggctttctaa 180
atttagtcct ccataatggg aagtagagat ctttagttaa tggattagca agtttttgca 240
gttctgctat ggtggtaaag ggggagtagg agaataacat taagtggcaa tagtgcattt 300

<210> 862
<211> 296
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)... (296)
<223> n = A,T,C or G

<400> 862
aattccggtt ctgtcgggagc ttccattac atgagctgtc tcaaagccct taagaactag 60
gtttagaagg tgcagagacc agggcaactt cagggatcca ggtagcagga aggaatcggg 120
agcctctaaa cctagtctct aagagcttct cattacatga gctgtctcaa agccctccaa 180
taaattctca gtgtaagctt caaaaaaaaa aaaaaaaaaa attncnnggg ncngtttttn 240
ncnaaaancc aanctnnana aaanccttng agnatgtgn nnaaccnna cttaaa 296

<210> 863
<211> 300
<212> DNA
<213> Homo sapiens

<400> 863
aattccggtt ctgtcgggtt agaagtgtg gcttattaga gactctggct gaaggctatg 60
tgcgaaactca ggaaactgct aatcacgggt cgtgtttttc agccctgtc ttcaggaagg 120
cttaactcta agggaggggt gttttgtgtc atctccagag ctctcatttc tcctgtgtgg 180
cttggtgccg aagctcattc gtccctcgc tgctgttgc gcccttgctc tacctccct 240
ttctctttcc acgcttttgt gtaaagtagc cctctttcaa gctgctcctc tgcctttgaa 300

<210> 864
<211> 300
<212> DNA
<213> Homo sapiens

<400> 864
aatccggttc tgcgaatct gtaaaccttt atgacattag gaactaagaa acttagtccc 60
ttcgtaggg ggataatgaa atgtatttag tgtttgtgaa acatagatgg tatgtatttg 120

```

gacaattctg taactttgct ttttttattt ttatttttcc atagcttatt ggggaacagg      180
tgggtgtttg ttacatgatt aagttcttta gtggtgattt gtgggatttt ggtggaccca      240
tcaccaagc agtgtacact gcacctatt tgtaatcttt tatccctcgc cccctccca      300

```

```

<210> 865
<211> 286
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(286)
<223> n = A,T,C or G

```

```

<400> 865
aattccgttg ctgtcgaata aagtccatct ctcaatactt atactttcta aattcatctc      60
agaatattag cagccatatt ccacagttcc tataattttt actggggggg atttgtagata      120
ggaaagtcct tgggaaacat ttccaatctt tcaaaatatt atcgcggatc ttaagaagca      180
tcggaacttg natgttgnaa nggtgcatgn tanancttnc nccntctnct acgaccggcc      240
nttntnnecn nccnccann tngacnggcc ccccncccc cccctc      286

```

```

<210> 866
<211> 292
<212> DNA
<213> Homo sapiens

```

```

<400> 866
aattccgttg ctgtcgggtt ttgctaactt ggattcctgt ggaagggcct cctctctctg      60
ctcgtgtttt atagcttggc aactctagtg ctagtctctg aatattcgaa tttgagtagc      120
cagaagaatt tgctgccagg gtggccttgc ccttgacttt gaaatgaact caccggagac      180
ttcagcttga tgccctcttt ggctaattgt ggggtcttgg ctttgccgc cgctgcctg      240
tccatcaca ggggccatgc tctccaatca ggacagaagt tttaacattt ta      292

```

```

<210> 867
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 867
aattccgttg ctgtcggggc agcccgggtt aaaggcacac tactcaagg ccggctctca      60
tttagtgga cgcagggtta aatgctgctc ccaggccttg ggtcccagtg accaggaaag      120
ttttgaaaat gagaacatgt gttgacccta ggactaggac aacagcgccc ttgattttgc      180
ggaagtcttc cctggaagtt gggcgtgctt gatattgaga cgctgcactt tgtgtttctt      240
gacggctttg ctgcaaattc tcacacacct tgcgcttgag taaaaccca aggattccag      300

```

```

<210> 868
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 868
aattccgttg ctgtcgggtt gctgcacgtg ttgcggtgcg cctgccccgg ctgtagcacc      60
ggcgggtgcg gcagctggaa ggtgttccgc tcccagtgcc tgccaggtgcc agagagagag      120
gcgaggagc ctcagaaaca gggaaacagc cttgcagctg aggactggtg tgaaggtgct      180
gatgactggg gaagtgatac tgaggagggg ccttcaccac agtttacctt ggattttggg      240
aatgatgcca gcagtgccaa agacgtagac tggactgctc ggctccaaga cctccgcctg      300

```

<210> 869
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 869
 aattccggtg ctgtcgacaga caccttctcc tatggtgggc atgaagactt ttcaaaaatg 60
 attgatgaag ctgagcccct gggctaccca gtcgtggtga agagcacacg aggccaccgg 120
 ggaaaagctg tttttctggc aagagataaa catcacctct ctgacatctg ccatctgatc 180
 cgccacgatg tgccctacct gttccagaag tacgtgaagg agtcccatgg aaaggacatc 240
 cgggtggtgg tggtaggggg ccaggtcata ggctctatgc ttcgctgtc cactgatgga 300

<210> 870
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 870
 aattccggtg ctgtcgaaac tgtgggcatt tatctgtgag ctctgggcccc acggagggtt 60
 aaagctcttc ttggaatgcc tgaacaatga cactgaagag tccaagcaac tcttgccat 120
 gctgatgctg ttctgtgact gtctcgcgca cctcatcaca atccttgatg acattgaagt 180
 ttatgaagaa cagatttcat tcaaactgga agagctggtc actatctcct ctttctgaa 240
 ttcttttgtg tttaagatga tctgggatgg aattgtagag aacgccaagg gtgagacctt 300

<210> 871
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 871
 aattccggtg ctgtcgctgg catttgagc ctacattctg gaaccatttt ttattcaatg 60
 tgaaatccct gaacttgca tcaagctcat tacagctgtg ggcataactg tagtgatggt 120
 cctaaatagc atgagtgtca gctggagcgc ccggatccag attttcttaa ctttttgcaa 180
 gctcacagca attctgataa ttatagtccc tggagttagt cagctaatta aaggtaaac 240
 gcagaacttt aaagacgcct ttccaggaag agattcaagt attacgcggt tgccactggc 300

<210> 872
 <211> 297
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(297)
 <223> n = A,T,C or G

<400> 872
 gtggtggtac acgcctgtaa tcctaagtac tcgggagact aaggcaggaa aatcgcttga 60
 acccagaagg cggagtgtgc agtgagcgga gatcacacca ctgcactcca ccctaggcaa 120
 cagagcgaga ctgtctcaaa aaaaaaaaaa ttaccntnnn ttttttaggn cntttcnaaa 180
 taaaangggg attttttttt cntgtntaaa aatntaanct anttgtnn cn tannaaaaa 240
 ngnatngggg gggtnagnan atgngnnctt gnaacagtnt ccnngntcc tttatcc 297

<210> 873
 <211> 300
 <212> DNA

<213> Homo sapiens

<400> 873

aattccgttg	ctgtcgggaac	catagactca	atccttccta	aaagctcaag	gctttctggc	60
ttggtaattt	tgtggggaag	cacttgcagg	aaaaacactt	tgaaatatga	agaaggaaat	120
gtgattccgg	tggtttcttt	ataggcccta	aatcagtaca	ggaagaaata	ggacaagaac	180
cagagaagat	taactttctg	aaactttaca	aacagcctaa	ttccaagta	gagaaaagta	240
tattttaaag	aatgaatact	gggggaggaa	atgaaggaag	gtgaattaag	ccttcacagt	300

<210> 874

<211> 300

<212> DNA

<213> Homo sapiens

<400> 874

aattccgttg	ctgtcgggtg	taatcaagct	tttccacagt	tcttgaaaag	tactatgttt	60
caaatttcag	gaacaccagc	gttagctgta	aaagttgcag	caatttattg	gctagtcata	120
gaaaattttt	gaacttttaa	ctgtatttta	attgatgttt	attaaaaaca	ctttgctatc	180
agatatttgg	cataaatctg	tactcttcat	tatagttttg	gggggagaga	agattcagtc	240
agaaaactta	ttcaaagtac	ctaagtatta	taaaggagtc	aaaaaggtac	aaagagaaaa	300

<210> 875

<211> 300

<212> DNA

<213> Homo sapiens

<400> 875

aattccgttg	ctgtcggcaac	tgccttttta	agaaatttca	cttcttgccct	aattttcttt	60
cccttctgct	atagaaatat	tatgggctgg	atacaaaatg	gggtgacatc	gagcagtgga	120
tggttaggcct	tgaatataat	tttgttttta	ctcttccctc	cccacttgaa	tacagtgttg	180
agacttaaat	ggttttataat	gtaattctta	cgcagtttaa	ctatgtagat	agattcctat	240
tgcaccataa	tttaataactg	agagattttc	ttccggggat	ttctgcatct	ggtctctgtt	300

<210> 876

<211> 300

<212> DNA

<213> Homo sapiens

<400> 876

aattccgttg	ctgtcgggtg	gatggctccc	cctatgaaag	ttgtccagt	agcaggggtca	60
aggtttaggt	ttggggtagc	gacatgagtg	caggagcctt	actctcctgt	gtgttgctcag	120
ggatggataa	aggggatgaa	gttggagggg	tttagtgaat	ggttgggaca	gcaaatttca	180
gagaagagca	tttggaata	atcttctcaa	atatatattt	ttaaaatcca	tatttgattt	240
ttttccctca	gggattccca	agcatagtag	agctaaaatg	aattaatttg	ggtaaaagta	300

<210> 877

<211> 279

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (279)

<223> n = A,T,C or G

<400> 877

```

agctaacaaa gtgagttcac agcttccaag accccaggct ttccaggcta ataaagagct      60
gagggttatag gctctcctta tcaaacgctc tttggcagct gccataacca ttccaagtct      120
agtcctagaa tagaaatgac gcggtttcag gagctgacag atggaacttt aagccttcct      180
tcctgccaca tctgaagttc ttttttaaan nnataganaa ccatgacgat aaacactcct      240
tgaatgccct gnnngaanagt gtactttctca naattcact      279

```

<210> 878

<211> 300

<212> DNA

<213> Homo sapiens

<400> 878

```

aattccggtt ctgtcgggtct tctcaacctc ctattgttgt tataaaatct ctgtgaaagg      60
cagcagcctc ctctgccttc catattaacc agcactttcc ctgtccagaa gttattccat      120
cttacggata ttgagaagat aaatggaagt gattagaatg tactttccaa acataaaaca      180
ttgtactgta ggagtttgtc aaaggggatt aatactacca catatctgta gaagaacttt      240
atgaagaccc tgtgtatctc tcaaccttaa tgactaagat tgtagatatg atagaaatct      300

```

<210> 879

<211> 274

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (274)

<223> n = A,T,C or G

<400> 879

```

aattccggtt ctgtcggggc aacaaggctt ccagctggat gtgtgtgtag catgtacctt      60
attatTTTTT ttactgacgg ttaacagtgg tgtgacatcc agagagcagc tgggctgctc      120
ccgccccagc ccggcccagg gtgaaggaag aggcacgtgc tcctcagagc agccggaggg      180
aggggggagg tgtgggaggg tctgnccggn atgttggact tcncggtcaa tgtcnttttg      240
tnntncctgg aattngcttg nannggtact tcct      274

```

<210> 880

<211> 300

<212> DNA

<213> Homo sapiens

<400> 880

```

aattccggtt ctgtcgcaaa ctttcttttg tttcaccagt gggaaggaaa aaataaatgt      60
gaaccaaagc aaactcccta catttagctc atgggggttga ttcttctgct tcttgacagt      120
gtcttggcct tttgtttgca ggccaggaga gctattgggtg ataccacct ctgggctagg      180
atgtgatggg aggtgggatg tagggggcca gggagaaagg gttgcagcca gcggtcaggc      240
tgggagcaga gacctccagg cgggtccctg gtgttctggt cagtcacgcc caactgccaa      300

```

<210> 881

<211> 262

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (262)

<223> n = A,T,C or G

<400> 881
aattccgttg ctgtcgcat tttgttctat tgtgcgcact ggcaaacgta tgtttctgga 60
acattgcatg ttggaataat tgatgtgact gaagtgcata tcttcataat aatcatgcat 120
ttgctggcnn cgattnnagg ncnantttnc tnnccanac natttcagtn nttgntantn 180
tntnnnangn attnnntgna tntnanttta gtgnntaant tnnnttttn tttgcnnttt 240
tnaatntnnn tntntttcc tt 262

<210> 882
<211> 300
<212> DNA
<213> Homo sapiens

<400> 882
cttctgtaga tactgaagaa acaattgaac cttatacaac tgaaaagatg agtcgagttc 60
ctggaggata tttggctttg acagagtgtt ttgaaattat gacagtagat ttcaacaacc 120
ttcaggtgtt tactacaatc tggaggcaag atctttcttc agtatgtgtt gatgtttggg 180
ttgcttgttg aatcacagac actcctagag gagaatgctg ttcaaggaaac agaacgtact 240
cttgagtaa atatagcacc ttttattaac cagtttcagg tacctatacc gtgtattttt 300

<210> 883
<211> 300
<212> DNA
<213> Homo sapiens

<400> 883
aattccgttg ctgtcggttt atggattcgt gggctgcttc cacctgctag gaggggtggtg 60
tactctaact caggacaga agccctgtc tgtgtcagg actcttgag acctctttac 120
ctggctgttc atcttcata atcaactggt agacgttaca tccaagagga aataatccag 180
gcaagggaagc acaagctgat caagatgtgt agttctgttg ctgccaaagt gtggtttttg 240
acagatcgtc gcatacagga agactatcct caaaaagaga ttttacgagc attgaaggcc 300

<210> 884
<211> 300
<212> DNA
<213> Homo sapiens

<400> 884
aattccgttg ctgtcgataa aataatgcat gtaaggccct cagcatagtg cctggcacag 60
aattactgct caaatgttag ctgtcgatt aatattgtca cttttgcaca ctgatgtaca 120
tttctgttg accaggtca ttctttaagc atttccatg cttaaaccag ttccataatc 180
cctaggcctg tactccaggg attgagactg aaaggatcat ttatgccatg tttctctaaa 240
agcatcattg ctggaagact tttgataagt ctgatgtgtc tcaagctatt ctcaagcctt 300

<210> 885
<211> 300
<212> DNA
<213> Homo sapiens

<400> 885
aattccgttg ctgtcgagca gttctttgaa actattctca agttttgaac agaaagccat 60
gctgttaaag cgccaggctt ttgtgtctt cagtggagaa cttgatcaat accaccttta 120
ccttccactg atacaagaac gcctgacaga caatctcaga gttggacaga catccatagt 180
tgctgtcag atgtttcttt ttttcagagt tttgtgtcta agaatactc ctcaacattt 240
gacttcattg tggccaataa tgggtctctga attgattcag acattcacac agcttgaaga 300

<210> 886

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 886
 aattccgttg ctgtcgggag ctccctccggc tctcccagaa acagagcacc gtgcagaact 60
 tccacagctg atcggcctcg cctcgcagat ttgccaagta tccgcttcct gtggaagcaa 120
 gaccaaaaagg aaatcaactg agtgggtgtt tggaagagga aggagcaact ctccgggcagc 180
 ctgcccaagg gagggagcaa gttgcaattt agaagatgcc atacgtcgtg tgacagctca 240
 tgagcctttc actgggctgg caattgtctg aacacttggg ttcagttgaa atatatgtat 300

<210> 887
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 887
 aattccgttg ctgtcgtttt ctttaaggat tccccgttac tactggtgat ggagatgtat 60
 gaactgtgta tgttcttcag gaattataaa gaagctgaag cttaaacttct ggagtttcag 120
 aagagccttg aaacgcttaa cacagcagcc acaaagggtcc accctgtcat ccttgccatg 180
 tggctggagg atcaggtgtg tttccttttg aagcttatgc tacagcagtg taagaccagc 240
 tatgagctgg ggaagctttt acagctcttt gttgaaagag agcatctctt ctctgatggt 300

<210> 888
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(300)
 <223> n = A,T,C or G

<400> 888
 aattccgttg ctgtcggaaa attgggactg agctagagaa agaaggatct taaaaccttg 60
 ctagagaaaag agacctgatt ccattctcaa gacatttgaa accaaagaca tttgaactgg 120
 aactaaaaagg ttcaactcag ataaactcct agtttagattg aagagatata ttcttcactc 180
 tactcttggc aggaacaaca gcactttctc tgggagaacc tattttcttn tttantggtn 240
 cttttatntt ccatggnta nntanncnaa tttntttga nactntatgt tttgaatttt 300

<210> 889
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 889
 aattccgttg ctgtcgggac attgctggtg gccccctagc ccttggtcc cgggccagca 60
 tctcccaggg gccaccaacg gcttctcgcg caggctgtgc cctctctgct gagtcaagcc 120
 ggaccttgct ggcgtgtgtg ctgtgggtgc tgaaaaaacac cgagccggcg ctccctgcagc 180
 gctggggcac tgacctgaca ctccccagc tgggacgtct gttggacttg ctgtaccttt 240
 gcctggctgc ctttgagtac aaggggaaaa aggcctttga acgcataaac agcctcacat 300

<210> 890
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 890
aattccgttg ctgtcggcag ggtgtcctag gctctgagtc tacagcaggg aaacaaggag 60
cctgctctca tggagctcac aggtcctaaag gatgcagcca catcattgga cctttcagta 120
ggttcctctgt gctgttaaag ctcccgtgtg tgcacgtgat tcagggtcca acaattcctg 180
gccaaagataa cagcacagag gccctggacc acctctgggt gttctgtaca gtgggccctt 240
gggggcctgg ctttcaccca ctgggtgtgca atataaaccc tcttcagatg ccagaaccaa 300

<210> 891
<211> 259
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (259)
<223> n = A,T,C or G

<400> 891
attccgttgc tgtcgcctt cctcctcct caggggtggg tgaacaaggc tcctatccca 60
ccccaccca aaaagagaaa aatgaaaaac tcatagtgtg gagccaggag gcaggggtgtc 120
ctacagggct gcacagccct gaggggtcag tgctgggac tggttggtg gtttgcctt 180
ttgtctttt ttttttttn ncnctcctt nanngaaatt ngttttaanc cnccagngtn 240
gncnttaaac caaaggga 259

<210> 892
<211> 287
<212> DNA
<213> Homo sapiens

<400> 892
aattccgttg ctgtcgcgca gaccatggca gccgcccagc gttcgtcttt cgacaacccc 60
aggacgttct ccagacgtcc ccagcccag gcgagtcggc aagcaaaggc tacgaaaaga 120
aaataccaag cgtccagtga ggctccccc gcgaaacgga ggaacgaaac ttcatttctc 180
ccagccaaga aaactagtgt taaagaaact cagaggactt ttaaggggaa cgcacaaaaa 240
atgttttctc caaagaagca ttcgggttagc acaagtata gaaacca 287

<210> 893
<211> 300
<212> DNA
<213> Homo sapiens

<400> 893
aattccgttg ctgtcgggtgc catccgtgct cagggtccag tgccccaggc tgaccacact 60
ctggtcagtg agtctcctgt gcctgagtga gggatategg gacctggggg ccctgccccg 120
agcacctccc acccactgct agtgctggg ctttgtgagt gttccaactt catagccgag 180
agttggagga caaggctggg gcagggccga ggaacgatt gagtctgcc taagcctcgg 240
gacatctaaa cagctctggc tctgccagac ctcagggtgtg acctgagcc attttccttc 300

<210> 894
<211> 300
<212> DNA
<213> Homo sapiens

<400> 894
aattccgttg ctgtcgggta ctttaaaaag tcgttcattt ttgttctcag atattttctc 60
tccagtatac ctatcactgt tgaatgttcc ccccaacttc ccagtagttt ggttttttagc 120

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catttcatac caatttatac ttgtgctatg ataacttttc taaagtctaa aacctaaaca 180
aatagctggg ggtgatatta ctttatgttc ctgaggtgta gaaagctctt cagaatagct 240
tctgctcttt gtgagctcca tatggcagtc aaaattaatg aaattaaaaa acaccatgcc 300

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```

<210> 895
<211> 275
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (275)
<223> n = A,T,C or G

```

```

<400> 895
aattccgttg ctgtcgggtca ccagtcctct tccttcactt cttgttgtaa ttgcagccat 60
tttcattgga ttctttctag ggaaattcat ctgttagagt gaagcatgca gagtgtgttt 120
tctttttttt tttttctntn gnccaaaaaa aaattngtta nccancntt nnntgggaag 180
aaggncccnn gggnccatt ttttnggggg ancngggnca aaaaggcttg gcnttaaagg 240
ancnttaang gtnaaaaanc ccattaaac caaac 275

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<210> 896
<211> 300
<212> DNA
<213> Homo sapiens

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<400> 896
aattccgttg ctgtcgaaag acctctagac tgtgagctca gttatggaga aaaaaaacag 60
cttcatagt agtagaacac cgaggataaa cactggggcc atgggtcctt tctgaggcag 120
cgccacagaa gatctttgtg gtccttcctt agttctgtaa gtctgtctcc taagtatggg 180
tagagaatat gtagcctgtt gtgtgtctcc cactacttgt aaacagagca tcacattagg 240
ggcagggagg aggtggaatg atatttgagg tgcttaacc tactcgagga attaattatg 300

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<210> 897
<211> 300
<212> DNA
<213> Homo sapiens

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<400> 897
aattccgttg ctgtcggcag tagggggagg tgtgaaagga cttctgcac agggcatagc 60
atatgtttct gagatcactg gaagaagcta gcagtgccag gagcctaaag ccagctcact 120
gtttggctgt ccagtggagc aggtacagct cacagtcctt aagccaggga aacctggctg 180
acttccacta aagtcaagca agcctggtcg gcctcgatta gccaaagggt ggactcttcc 240
tccaaagccc acctcagccc acctctgcca gggcagagaa gccaaaatgg tcacattgca 300

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<210> 898
<211> 177
<212> DNA
<213> Homo sapiens

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<400> 898
aattccgttg ctgtcgaaag agattgccga tgaagacccc agcctcgtga acttggataa 60
tggggacggg ggcagccac tgatgctagc agctgttacg gggcatttgg ctctggtgca 120
gctgttggtg gagaggcac cggtatgtga caagcaggac agcgtgcatg gctggac 177

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<210> 899

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<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 899
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 tggatggagc tagagagaca acaggaaaga cgggtgctgaa gaacatagtg tctttcctct 180
 attgtggacc taaagagggt gggaagcaag gacaagaggc aaagagccac actgcccttg 240
 gcatcatcca aagcattgtc tggttgacac caggctcctgg ttttgtgtct tttgtcaata 300

<210> 900
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 900
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 cagccctggc ccaggttctg caagagggtg cgctttcctt ctgagtaggc tggagtggag 120
 ccctccagcc cacagcccag gggaagaagc acacgtgcac tttccaagcc ccacggccca 180
 aagtaggcca ctgttaatgt cacagacaga aatcatggcc aacactggaa gggggctttc 240
 cagtgagcgc cctagcaag cctgatctcc ctctgtgttg actcttcccg ccagagagcc 300

<210> 901
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 901
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 gtgctttgcc taaaatgcc agttacctga aattgtataa attcttgcca aaagtgtttg 120
 aacttaatac aaacttccca tctcttacct cttagcactg tgctcatctt gaggggacat 180
 agtcccaatt ttgtatttta tataatactg ttagtgaata tgtgtagact tcatatgggt 240
 gtgggtaaga gaatactgca ttcagataga aaagatgcta tatagctaag ttgatccagg 300

<210> 902
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 902
 aattccgttg ctgtcggtta ctaagagata tgcccggaaa caaaaccgat gggttaaaaa 60
 ccgttttttg agcagacctg gtccattgt cccctctgtc tatggcttag aggtatctga 120
 tgtctcgaag tgggaagagt ctgttcttga acctgctctt gaaatcgtgc aaagtctcat 180
 ccagggccac aagcctacag ccactccaat aaagatgcca tacaatgaag ctgagaacaa 240
 gagaagttat cacctgtgtg acctctgtga tcgaatcatc attggggatc gcgaatgggc 300

<210> 903
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 903
 aattccgttg ctgtcgattg gaagcaaaac taataatact attagcaatg acaccagccg 60
 agcagttgca gatccctctc gtatagaatc tgaaatgtgg atgatgctgt tataaacagc 120
 aaagttagcc atagcaacat aggactggt aatactgtgg gtgggtctaa gggtaacact 180

gttcctgat cttactgtca tcatctgcaa tctaagtaat gcagataata atggtgcccc 240
 ttggacttga cgccaatctc ttggtcctat tagaaccatg taggcagagc tattccaata 300

<210> 904
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 904
 aattccgttg ctgtcgaaat actcctctaa agtagataaa ctccttgagt aaagagaagt 60
 ttaccatagc aactttcagt agtacttcaa agaagatagc tgtataaatg tcatcaaact 120
 atactatgta gagaatctta agtgataacc aggggtcacgg attccaaaaca tgtcattata 180
 aattgtttta tatggtgctc actggtgcat ttttcctttt ggataaggga aaacattatt 240
 ccacttactg tttttgcttt aagcagcctg catatatggtg ttagtttgtt cagatgttgt 300

<210> 905
 <211> 296
 <212> DNA
 <213> Homo sapiens

<400> 905
 aattccgttg ctgtcggaga agttgagtggt ttgggacagt ggtccccttc gtggtggaaa 60
 gaacactgcc tcagataatg tgtggctttc ctctggtcag aggcccaaact gagtggacaa 120
 gtactgtgat ttctcaagcc cctatgcagt gttagatgcc actatgaaat acgagccatt 180
 gaaagagatc tcttcaactt attatttttt atcacgaacg tacatatcag ttattttatga 240
 gatttttttt tttaaatatt tcattttttt tcacgacttt ttctgccatt gaatta 296

<210> 906
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 906
 gtggtaatat ggggtgttca gtccccataa gatataatag ttcatgcagt ttatatatta 60
 aagtatccag tggaactaaa tgtacaatat attcctaagt gcttgctttt ttcactgtgc 120
 tgaccagctg ttcaagccac ttcagtttga gtacaacata ccaacatgac actactcacc 180
 cacaaaggac agcattggga tcaggttttc agatgacctc taagattttt cccattttatt 240
 gtactcttgt tacaagtac tttttaacac atgcagtcaa tggtataaaa aactattctg 300

<210> 907
 <211> 200
 <212> DNA
 <213> Homo sapiens

<400> 907
 aattccgttg ctgtcgcttt acttaaaaac tattaacagt ttttcatgtt gcactgggtgg 60
 taattttgaa cttggaatta ctgggtggga attccaggaa ccacagagta ttgatttttg 120
 ctgccaaaat gctcttgaag cagatgtccc tgtgtcctcc tggtgcttc tggctgaagg 180
 ggggaggtgt gggaggtttt 200

<210> 908
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 908

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aattccggtg ctgtcgcttg tttttccaca cagtggagct gtaactgcac taagatggag      60
caaacagatt tccaaagagg aagattcagt aaattatagt gagaattgac aagaagtttc      120
tgtttatcca ttgaccagag aagggaaata attcatcaag tttagtgtga aggtctcagg      180
atgttgaaat cagactttta catcttaatc cagtgagaat gaaaaatgaa ctacttatag      240
tgtctgcca tgacaagtca tttctttgct tagggatgca aatcgtatca cacagtggtc      300

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<210> 909

<211> 300

<212> DNA

<213> Homo sapiens

<400> 909

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aattccggtg ctgtcgaatc attaaggcat gaaccttcca ccaacctaac tgtcagaggt      60
gcctctcccc tctccaactc cagattcctt cccacatac ctggctattc agtatcttct      120
agcatttgct actcatttgt ccaagaacaa ggccctctac tcccctgcct ttttggttgt      180
tgttgttgtt tttgacagag tcttgctctg ttgccaggc tggaatgcag tggcatgaac      240
acagctcact gtagcccaa ccttcaggc tcaagtgatc ctctacctc aacctcccta      300

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<210> 910

<211> 300

<212> DNA

<213> Homo sapiens

<400> 910

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aattccggtg ctgtcgactt tatcctttta gattctcagt ctctttgttg cttgttgcaa      60
ataaatcatc tagcaacatt tacatttaat taggaaatct aacttgcttt taaaagttac      120
ccacgttgca tataaaaatc ttgctattcc ttgtgtcttg gctttacata agcacttttg      180
ctcatgtgac tttgcacttt gcacttattt taatcctctt taaagggcta caggcaaatt      240
ctactttgcc ataatcacac taaggcatgg aagaacaact tgcccagaat ctagcaggtt      300

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<210> 911

<211> 300

<212> DNA

<213> Homo sapiens

<400> 911

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agaatacaag ccaaaacatg gcttcaaaag gtcagctgca tcttctactgg attacagaat      60
tcttgtgac tctcagaaga aattgttga gagaatagtc atacctactt taaaagagaa      120
taaatagcct ttcctaaatt cctctgcttc gtcctttcc tggcggtgct ctggaacctt      180
gttggtgtct gtgaccaat gactgttagg gtcagctagc ttcaattgcc cctgcactgg      240
aagcaagggt tgtcagtaac accaattaaa atactaccag tgtaagtaga aggtgtgttt      300

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<210> 912

<211> 300

<212> DNA

<213> Homo sapiens

<400> 912

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aattccggtg ctgtcgccat ggtaggaag aactgttcca catacacctg acattggagt      60
cagtttattg atatgtttgg agattggcct ttcaacagtt ttcataattg aagaattaga      120
aatgaagtcc gttcagatc tccaaagaac ctccagccac tgggtgggga cattcttaat      180
tcacattcct atcagttggg atctcctgtc cctgaagaca ctgatgaggc ttgggaggag      240
aatccacct ttccctgcag ggggttaggc tgggcagggc agggaggtga gggcgctggt      300

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<210> 913

<211> 300

<212> DNA

<213> Homo sapiens

<400> 913

aattccgttg	ctgtcgattc	aagcactggg	ccttgggtgt	ctgacctcta	cattctagtt	60
tatgcaatgt	cttttagagaa	ttttgtgcac	tggccactgt	gatggaacca	ttgggccagg	120
agtgccttga	gtttatcagt	agtgattctg	ccaaagtgtg	tgttgtaaca	tgagtatgta	180
aaatgtcaaa	aaaattagca	gaggctctagg	tctgcataatc	agcagacagt	tttgtccgtg	240
tatttttag	ccttgaagtt	ctcagtgaca	agttttttct	gatgcgaagt	tctaattcca	300

<210> 914

<211> 300

<212> DNA

<213> Homo sapiens

<400> 914

aattccgttg	ctgtcgcttg	cctctgtgcg	gcgggctctc	tgccagctgc	agtgggacca	60
cgagcccagg	acaggtgtgc	ggcgtgggac	aggggtgctt	gtggagtcca	gtgagctggc	120
cttccacctt	cgagcccgg	gggacctgac	cgctgaggag	aaggaccaga	tatgtgactt	180
cctctatggc	cgtgtgcagg	cccgggagcg	ccaggccctg	gcccgtctgc	gcagaaacctt	240
ccaggccttt	cacagcgtag	ccttccccag	ctgcggggccc	tgcttgagc	agcaggatga	300

<210> 915

<211> 299

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(299)

<223> n = A,T,C or G

<400> 915

aattccgttg	ctgtcggctc	atcctgagaa	agatgagtta	atcctttttg	gagggtgaata	60
tttcaacggc	caaagaactt	ttttgtataa	cgagctctat	gtctacagta	cccgaagga	120
cacctggacc	aaagttgaca	taccagctcc	acctccgagg	cgctgtgctc	accaggcggt	180
gataagtgcc	ctcaaggtgg	cggacagctg	tggcnccttg	gaaggnggtt	ngcatctacc	240
aacngagagc	aaatntaatn	ctntgacggg	atgctncttc	cngttgccca	cttcctctg	299

<210> 916

<211> 299

<212> DNA

<213> Homo sapiens

<400> 916

aattccgttg	ctgtcggcag	tttcccgtaa	ttttcttget	tgctgttccc	ctacatttcc	60
tcctgatttc	ccaagactct	ctttgtggct	tttgagggtc	agccaaggag	caggcaagtg	120
agtgaacaat	cctcaggaaa	agaaggacca	ttttagctta	acacttcctt	ttttttttta	180
agaagaatat	aggtaaacag	gtaatgattc	ttgattggag	ataccatttg	actcttgatg	240
aaagttgtac	gaagatggaa	atgagggatg	attccaggcg	ttttaggggg	aaggctgca	299

<210> 917

<211> 300

<212> DNA

<213> Homo sapiens

<400> 917

ccaaagtaac	acaaatgctg	ccttcaaaat	gaaaaccagt	tttctgttta	ttcttgctaa	60
atgtttatgt	aatataaatg	tagtatgggt	tctggttgat	gttttgtgaa	aattatgttc	120
tgtttcatcc	agcgcaagta	tttacttgat	ctgatttctt	cttgatacag	gttaaattggg	180
ccagggaaaa	ctatcaccat	aacattggct	caccatattg	cttacggtta	gcttctgctg	240
atgtcaatgg	gaagatcatc	gtctgggatg	tagcagcagg	agtagctcag	tgtgagatcc	300

<210> 918

<211> 300

<212> DNA

<213> Homo sapiens

<400> 918

aattccggtg	ctgtcggaaa	taacttcgaa	gtcctcttcc	tttacaatat	ttgaattcat	60
atgtgtacct	tctcaaaata	gtgattcatt	tttcttagaa	ttacaggagg	gagctctttt	120
actaatgttg	ttttgtttgc	aactttgatg	gcttataata	ggaagtattc	tagttgtaaa	180
gaaaactctt	tagagacttt	tgactgggtc	gtatactgag	gtgtgagatt	tgattcatga	240
tgaagaaagc	ctatagattg	ccaaaaaatt	aattctccaa	accacctttc	actctcagaa	300

<210> 919

<211> 206

<212> DNA

<213> Homo sapiens

<400> 919

gagaagatga	ccgagagact	cttgtcagcc	aatgcaggga	cacactctgt	gttaccaaga	60
actggctgtc	tgagataact	aaagaagagc	gggatctctg	gatgcaaaaa	ctcaatcaag	120
ttcttgttga	tattcgcttc	tggcaacctg	atgcttgcta	caaacctatt	ggaaagcctt	180
aaaccgggaa	atttccatgc	tatcta				206

<210> 920

<211> 300

<212> DNA

<213> Homo sapiens

<400> 920

aattccggtg	ctgtcggcgc	ggaggagaag	tggcgctcag	tccggccggg	cagtagagga	60
aattgcggta	gtgacctctg	ggcctcgcca	tgaagagccg	ctttagcacc	attgacctcc	120
gcgcgtact	cgcggagctg	aatgctagct	tgctaggaat	gagagtaaac	aatgtttatg	180
atgtggataa	taagacatac	cttattcgct	ttcaaaaacc	ggacttttaa	gctacacttt	240
tacttgaatc	tggcatacga	attcatacaa	cagaatttga	gtggcctaag	aatatgatgc	300

<210> 921

<211> 294

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(294)

<223> n = A,T,C or G

<400> 921

aattccggtg	ctgtcgtgtg	gtttacacag	tagtttgat	gtacaattat	tattagtggc	60
tttctaaaaa	atgaaacagt	gttaagcgaa	ctgttggtcc	tagctttgtg	ctccatgttg	120
tcaaagcatc	aacaatgaaa	attcgattag	gaaactttat	ttaaaatttt	aggcntnctn	180

tattcantcg tantnanngc cannccttaac ccattgnatg aaaatctang actgtnttga	240
agcaagcann catnacatct tntangnagg naatantcnt gcctttgcat aaaa	294

<210> 922
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 922	
aattccgttg ctgtcgccca cacagtttgg catgaaatgg tcacttccgc atctagagca	60
cacattattt ttctgaagca ccctgttgaa tgagaggaat acatacgtgc catcataggt	120
tgaaaaagtg atcttttcag cataaattgg tgggtgtttg agagcattac ttgcacagtt	180
caacaataca gagctggaaa tgcataaaga ggacattccc tgctagtcaa cgaatacata	240
gatctgtagc tggaattag ttttaacttt caagtagtca agaaactttt atgtccaata	300

<210> 923
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 923	
gggaagggac ctgaaggcta cacagccctg atgatcagtt tctgagggga cccctctggg	60
ggaacagctc cctcctcttt ccagagctg actggaaggt ctgtctcatt ctacacactg	120
catttggtac agaaagggac caagtgggga aaataaagaa catggaacag gctgagagag	180
agggcagctc cattcaaagg acctaggtgt atgccaaaaa tgagaatgaa gattgaccag	240
cgacttcttt ggcagagacc tgggcaggct ggtgatgga gagctggggc ctgtgaatac	300

<210> 924
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 924	
caagcgcaga cggaaccgag atggtggcac ctttattagt gatgcagacg acgtcgtgag	60
tgccatgatc gtcaagatga atgaagctgc tgaggaagac agacagttga acaatcaaaa	120
aaagccagca ctgaaaaaat taactttact gctgctgta gttatgcacc ttaagaagca	180
ggaccttaaa gaaacattca ttgacagtgg tgtgatgtct gccatcaaag aatggctctc	240
acctctacca gataggagtt tgcctgcact caagatccgg gaggagctgc tgaagatcct	300

<210> 925
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 925	
aattccgttg ctgtcggaag gactacgtgc tggcttgggc attttacatg acatagaagg	60
catccgctat gaacaaaaat gtcctcttgg agtagacata tcaaaagaag ttggagaagc	120
ttccataaaa gtaccacaat taaaaatgga gatatgattt ctgctgttca aaaaagtccc	180
taaaggttct cactctctga cctcagctgg agtacagtag ccagatcaca actcactgca	240
accctgactt cctgaactca agaaatcctc ctgccttagc ctcttgaata gccgggacta	300

<210> 926
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 926
aattccggtt ctgtcgctt aacctgaaaa tcccagggtg gcgtcgggga ctagtagggt 60
ggggaagcct tggtccagc cttcagggca gtgggtgcct ttgggaacca agtttaggca 120
tggtccagaa cacagtatcc aagtcggctg tgctgacctt ttcatttcac ttcatttcac 180
tatgtttctt tatgtttatt ttcacagagt ctcaccaag aaaaacaaat gtttaccttg 240
ctaccttttt cctcttccaa ataaaaatag ctttattgtg tcacatgggg gaaacgtaga 300

<210> 927
<211> 300
<212> DNA
<213> Homo sapiens

<400> 927
ttttgcttgc attaccccaa agtttctttg tcacttactt cctgtgcaga agttgtctac 60
ctattctaga ttatggaaat aactcagatg aggtagacaa cttctgcaca ggaagtgtgc 120
tacctattct agattatgga aataactcag atgagcttcg tcagcaagaa ggaagatgca 180
tttaacattt tttcccaagg ctaaaactatg tactataagt tattcgaatt agataaaaac 240
aggaaaaaaa tatatcacta tagaatgtct agaaaagtgg tttatgtttg ttcaactgtt 300

<210> 928
<211> 300
<212> DNA
<213> Homo sapiens

<400> 928
aattccggtt ctgtcggatc agccagttta gaggacctgt gggaaaaatct gagtttaaag 60
cctgccaact cccctcatgt aaatatctct acaaccttgt ctccacaagt tattaatgaa 120
gtgtggcaag aagaaacaat tgggcgtcta ctacaacttg tagaccttcc acttcttgac 180
tccttactga aacagcaaga ggctgtacct aaaattcctc aacctaaagag gcagtccacc 240
atgggtcaaca gcagtaacta tctggatcga gggattctca aggcttatag tgactctcag 300

<210> 929
<211> 300
<212> DNA
<213> Homo sapiens

<400> 929
aattccggtt ctgtcgagat tttggagttt gacttgaggg gtataccact ggacttttca 60
tcttccggtt gggattattg tgaaggattt tgagacaatt ggacaaaata aattaattgg 120
cacggcgact gtagccctga aggacctgac tggtagaccag agcagatccc tgccgtacaa 180
gctgatctcc ctgctaaatg aaaaagggca agatactggg gccaccattg acttggtgat 240
cggctatgat ccgccttctg ctccacatcc aaatgacctg agcggggcca gcgtgccagg 300

<210> 930
<211> 259
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (259)
<223> n = A,T,C or G

<400> 930
aattccggtt ctgtcggttt tacattctat gattgaaaaa aattttttga aaacttttta 60
tttcattctt tcctgtagga ttttgctaca aataactttg ggaatgnatn aagtggaatg 120

ntaantttnc agngngccnn anntntnntt tttntctcgt anttgngaatt cgnnttnntt 180
 ntgttttttn nnttnncaat tttctttnta antncntngt gnntntnanc nnntgggttg 240
 ggtntnanat tgnngttna 259

<210> 931
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 931
 aattccgttg ctgtcggaga ttgttgtctt gaactctggc actgtacagt gaatgtgtct 60
 gtagtttgt tagtttgcat taagcatgta taacattcaa gtatgtcatc caaataagag 120
 gcataacat tgaattgttt ttaatctctt gacaagttga ctcttcgacc cccaccccca 180
 cccaagacat ttaataagta aatagagaga gagagaagag ttaatgaaca tgaggtagtg 240
 ttccactggc aggatgactt ttcaatagct caaatcaatt tcagtgcctt tatcacttga 300

<210> 932
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 932
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 ttatgacaat gtgttataaa ttaacaatcc tcttttaaac tagatttata aaacctacac 120
 acttgagggt ttccatttgt tctatctaga tgtattttga gaaatctgaa acaaaagctt 180
 gtttttttgt ttgtttgttt gttgtttgaa acagtcttgc tctgtcacc cgcctggagt 240
 gcagtgggtgc gatcttggct cactgtaaac tcggcctccc agattcaagc gattctcttg 300

<210> 933
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 933
 aattccgttg ctgtcgggtt tctcttgaat tattttggaa caatgccagg atccaaactg 60
 attaggttac agtttaagca cccttcagta ttaatatata cggatttata taacaggtca 120
 acaagtgtc tttgatgata aaacttgtaa tagagcaata attgtaaatg gttaccatac 180
 tgtaagatat tttgataaaa attaactagt aatacttgta tttatttgaa acactgggct 240
 gtttgacacag ctccaactgt gcatgctcaa aatgtgcact ttttaaatt gttactttta 300

<210> 934
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 934
 aattccgttg ctgtcgagat ttggagttt gacttgaggg gtataccact ggacttttca 60
 tcttcccttg ggattattgt gaaagatttt gagacaattg gacaaaataa attaatggc 120
 acggcgactg tagccctgaa ggacctgact ggtgaccaga gcagatccct gccgtacaag 180
 ctgatctccc tgctaaatga aaaagggcaa gatactgggg ccaccattga cttgggtgatc 240
 ggctatgatc cgccttctgc tccacatcca aatgacctga gcgggcccag cgtgccaggc 300

<210> 935
 <211> 291
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (291)
 <223> n = A,T,C or G

<400> 935
 aattccggttg ctgtcgcaaa ggatagctgt ggttgcattt tttcctgaga atggagtaag 60
 tgattttcaa aaagcacaaa taattggcag tcagagagaa aatggatggc cagtgggtgt 120
 tgagtcagat tttgnnnnt nncacacann nataacaana nnttttaang atccngcncc 180
 tacnngcttt cntactgcgg anacctgnnn acatcttact attccnnctc tncntncacc 240
 gnngccgant acctacgnan nnnngtnatcn tncctgcgca tntttgaacc t 291

<210> 936
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 936
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 actctgcttt tatctaattg tccccttttt tctctgtgtg ctttcctgaa gtagagagtg 120
 attttgata agtgtaggat aaaatgtttg agcagatgac aagaaagtct ccattctgag 180
 tctctgttct ttccaaatta ttaaaactgca gggaatttgc ccatatccct gggcaggtaa 240
 cactacacaa gagggagtgg gttgagcata ttatgtatat agatgtgaaa tacagctgga 300

<210> 937
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 937
 aattccggttg ctgtcgatc tatccatact atgattatta aatcttatgc ggtacctaaa 60
 cacaccacac ccttttgtgt tatttctgtt cttttctaca cgttcttccc actgattgga 120
 gcacccctct gactcactgg ctaactgcta ctttttgttc aaaaatcagc tgagagggca 180
 actcatctgt gaatttttct ttgacttccc tctctccagg ctgggttagg tgctcccta 240
 tctctttttt tacttaaatt ttttttcttt attatttctt tatttttttg agatggagtt 300

<210> 938
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 938
 aattccggttg ctgtcgaaat aagaagaagc aactgtacaa accatgtaag taaacactca 60
 aatacttaag aaattgatag tttagacataa aaggatgtct ctcttgattt ctttaaatta 120
 caatgtggac ctgggtggtg tagcatggac ctctttttgt ggattttcta aatctcttct 180
 attttcctga gtattaaatt tatccagaaa agtggtttagt ttagcgtgtc caccttttaa 240
 agatttctga catttaagtt aaatttcaat agtctggttc aaaagatctg ccttacggct 300

<210> 939
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 939
 aattccggttg ctgtcggcag ctggatggac actatagcaa acatcaatca agagctcatt 60
 aaatatgaat tcttcctga agccactcga agtgaagaag acttaaagaa ataccccaag 120

```
taccctctggg ggagagaaat ctatacttta gaaggtgttg tggatggagc tccatattcc 180
atgatttctg acttcccttg gctgaggtca ttacgagctg cagagcccaa cagcttcgct 240
cgatacgact ttgaagacga tgaagaaagc actatctatg ctcctagaag gaaaggacag 300
```

```
<210> 940
<211> 300
<212> DNA
<213> Homo sapiens
```

```
<400> 940
aattccgttg ctgtcgggag gacatagcca gggcggacaa catcttcacg gccactgaac 60
ggaaccgcat cgactacgtc agctccgccc tccgtatcga ccacgccccg gaccttccgc 120
ggccagaggt gtgttttata ggcagaagca atgttggaat atcatctcta atcaaggctt 180
tatttttact ggccctgag gttgaagtca gagtctccaa aaaaccagga cacacaaaga 240
aatgaattt tttcaaagtt ggaaaacatt ttacagtggg ggacatgcca ggttatggct 300
```

```
<210> 941
<211> 277
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(277)
<223> n = A,T,C or G
```

```
<400> 941
aattccgttg ctgtcgctca gcttcaagtt cctaagataa gggctttctt aagctttcag 60
gtgtatgtat cctctagatg tagacaataa tgtcccattt ctaagtcttt tccttttgct 120
tctccttaaa ttgattgtac ttncaaattt gctgttangg naattntcta atacnnnnan 180
nanttagatn ctctantcga nctntntnnn ncnntnnctn tantntatac nntnatattn 240
tctnntaaan tncctntctc tntncnanta gcattctg 277
```

```
<210> 942
<211> 235
<212> DNA
<213> Homo sapiens
```

```
<400> 942
aattccgttg ctgtcgggga gaggatggaa aaggcaccat tacagaacag gtttctagcc 60
aaactttcta gatactactg gtgtcaaaga tgaaggcat gtgcagccat gtaagattag 120
cccaaggagc cagctcaaac catgcacatc cagggcccag cttggaattc atgttctgga 180
ggccttggct gggaggcaga atctgtgaat tttaaaaaca ctttcatgaa tccaa 235
```

```
<210> 943
<211> 280
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(280)
<223> n = A,T,C or G
```

```
<400> 943
aattccgttg ctgtcggagc aattggaagt gctaagtatt actatttcat gtggaagtct 60
```

```

gaaaataact gcaccgaagt gttctgataa ataactaaat tgagctagtg agggggaaat      120
ttcagccgtc tagagagtgt ttctcttaaa tattttttct ctcaagtgga aaggagtgag      180
ggggagagcg aggatcacct angcctcncg cctgngcctc tgccngancn ngacncaacc      240
tccttcaacc cncgnnaacn naaggngag  caccttcccc      280

```

```

<210> 944
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 944
aattccgttg ctgtcgagac tgcagacatc catacctcac cacagaccaa agatgacctc      60
gtgtcagact gtgggctgat gagaggtaga gcagcatgca tcgaggcctg aggggtgcagg      120
gcgccctctc ttggcctgga ggaattgctc ctaactagag taagtttcca cgagggtccc      180
aggcagagct gcagagctgg aaccggaggc tccacagtcc ttgcctgctc atggacctcc      240
ttcagagcac ctttctacag actggactgc ccagctccgt ggggtggcat ctggtttctg      300

```

```

<210> 945
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

```

```

<400> 945
aattccgttg ctgtcgattt aacttcaagt gtgctgcgag aaaacttcat aatagttcct      60
aagatgtgct aaaaagtaaa gtccaaaaag atcataaagt ctgtagagaa gttctaagag      120
tgcagtcagc tataaaaacc tagcaattta atttcttaga aaaatgtagc tggagttcaa      180
actgtagtaa caaaggcaag taaattaagt tgtgggcagg tgtaattaag ttaataggaa      240
tggcagggat gaatataaat cagaacagga ctaacagnnt gaaacattan atattcaaat      300

```

```

<210> 946
<211> 253
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(253)
<223> n = A,T,C or G

```

```

<400> 946
aattccgttg ctgtcggttt gttgaaatga atggacaaac tcttaggata aatcctaatt      60
tgttggcaac tgttatttga ttttagaagg caaactgatt ttatttttaga gaggggaagg      120
ngaggggagg ctcatancc tcttgaana angagganta ttntgnnna tgaataggtn      180
nncancttan gtantgacng nnnntacttn tnattatgna ntgnngnttg ncgtnnnna      240
gnnnntana cgt      253

```

```

<210> 947
<211> 300
<212> DNA
<213> Homo sapiens

```

<400> 947

aattccgttg	ctgtcgcgcc	cgggccccct	tcttgcctcc	tcttcccgcc	agcccgcctg	60
gagcaccagc	ctcgcgcgtc	cggaggaacc	ttggcttggc	gccccatcct	ggtagcctta	120
aacttcatag	cactttgttg	tttttcttaa	aactctgagc	ctgtgcccgg	gcggatcacc	180
tgaggtcggg	agttcaagac	cagactgacc	aacatggtga	aaccccgctc	ctactaaaaa	240
tacaaaatta	gcccggcggtg	gtggcgcatg	cctgtgatcc	cagctacctg	ggaggctgag	300

<210> 948

<211> 300

<212> DNA

<213> Homo sapiens

<400> 948

cggtgggcga	gatgaagcta	cactgtgagg	tggaggtgat	cagccggcac	ttgcccgcct	60
tggggcttag	gaaccggggc	aagggcgctc	gagccgtggt	gagcctctgt	cagcagactt	120
ccaggagtca	gccgcccgtc	cgagccttcc	tgctcatctc	caccctgaag	gacaagcgcg	180
ggacccgcta	tgagctaagg	gagaacattg	agcaattctt	caccaaattt	gtagatgagg	240
ggaaagccac	tgctcggtta	aaggagcctc	ctgtggatat	ctgtctaagt	aagatggagt	300

<210> 949

<211> 300

<212> DNA

<213> Homo sapiens

<400> 949

ccctggtacc	ccctgcccgc	gccgatataa	tgttttttgc	ccccctggg	acctcgact	60
tgggcttccc	tttgacatg	accaacgggg	cagccttggc	agccaacagc	aatggcatcg	120
ccggcagcat	gcagccagag	gaggaggcag	ctcgggcggc	tgggtgcagc	attgcaggcc	180
aagcctcttt	gcctgtgtta	cctgggggtg	accgcttgcc	catgggggct	ggacccttat	240
cccccaact	ggtgactttc	ccattcccca	gtgtggcatc	cagtgcacct	ccctgactg	300

<210> 950

<211> 297

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (297)

<223> n = A,T,C or G

<400> 950

aattccgttg	ctgtcgagaa	atttgaaacc	agttgtcagt	tttcaggtgc	ccaggagcat	60
gacaatatgc	ccgagggacc	gtaacaggac	ttgacatgga	gctgggtcta	aagcagatga	120
cctggtggct	gcagcggtgt	ccacacaggc	gagcactgtg	aggccaaagg	actggtgttg	180
agcagaatga	aaaagcacag	tgttggttaa	tcctgaaaag	tgaagcctgc	aagaaatgaa	240
cttcgacctt	ggagtggggg	tgggacaggg	gctanaagga	anagaggctn	ggaagtg	297

<210> 951

<211> 300

<212> DNA

<213> Homo sapiens

<400> 951

aagcaacggg	tccctctagc	tttgtgttgc	agagactaaa	ttccaggagg	gtccagccaa	60
gaggtcaggg	actccctaca	cccaacttcc	actctagggtg	gaggctttac	cataggtatg	120

gcaggccaag	acacagggcc	ttgatcacc	tctccatacc	tcactcaaga	tggattttcc	180
atgccagaag	taagccaaga	acaccagagg	ctattgtctc	aactgagccc	ataaagcagg	240
catgtaactc	ccagagagtc	aggccgcttt	cctcactcct	agctccagag	tgtaatgccc	300

<210> 952

<211> 300

<212> DNA

<213> Homo sapiens

<400> 952

aattccggtg	ctgtcgcttt	tcctttttta	agaaggctgc	taattggatt	ttggtagttc	60
ttacctcaag	aaaacttgaa	ttatttgggg	gaaagtaggc	tcaaaagaga	atatatcttt	120
cacattcaca	ttcagaaccc	agcaacctgg	agtccaattt	tcagtatttt	aactacctca	180
ataatgctat	gaatgtaaga	tattgggata	gagatcccaa	cttgaaacaa	cagccagtgc	240
ctgtggtaac	ttaatgtctt	gtcaaatact	tttattgatt	ggtttatatg	ccattcttgt	300

<210> 953

<211> 300

<212> DNA

<213> Homo sapiens

<400> 953

aattccggtg	ctgtcgcttg	tacagtattt	ctacttttta	ttctaataca	ctggactggt	60
gcattatttt	tatgtagatt	gctaacaagg	tttttgaaga	aacactctta	aaagtcataa	120
aagggaat	cttgacagtt	ctgggatatt	gccacccttg	accttttggg	gaaatgtaga	180
cagcatctcc	caggcatgac	gcttagggat	cgtgtttatc	tgtcatcagt	tggtgactcc	240
atgtttattg	agcactggct	ataagccaga	cttggtgagg	gactgaaaca	attacaagac	300

<210> 954

<211> 300

<212> DNA

<213> Homo sapiens

<400> 954

aattccggtg	ctgtcggaag	aattgaaaga	gcaagtcattg	gaagtagaag	aagatccgca	60
aaccataacc	actgaggaga	caatggaaga	agacaagagc	cagtcggatg	tagattttca	120
gtcttgtgaa	tcttgtacca	acagtgatag	agcagaaaat	gaaaatggct	ctagatgctt	180
ttctgaagat	aataatgaaa	caacaatggt	aattcaggat	gatgaaaacc	attcagaaat	240
gtcaaaggat	tggcaaaaag	agaagatgtg	caataagatt	aataaagtac	attctgaagg	300

<210> 955

<211> 276

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (276)

<223> n = A,T,C or G

<400> 955

aattccggtg	ctgtcgccca	gtgcctgcac	ggcttgggtgg	ggtgggtgca	tggacatgcg	60
gccagctgcg	gggccctgcc	ccaccttcag	aggacactgt	cctccgagta	ctgcggcgctc	120
atccaggtcg	tgtggggctg	cgaccagggc	cacgactaca	ccatggatac	cagctccagc	180
tgcaaggcct	tcttgcctga	cagtgcgctg	gcagncaagn	ggccatggna	cnaananacg	240
gcgccacggg	tgncccacac	cgaggnnnga	accctg			276

<210> 956
 <211> 247
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(247)
 <223> n = A,T,C or G

<400> 956
 aattccgttg ctgtcgggtg acacctctga tgaggaaagc atccgggctc acgtgatggc 60
 ctcccacccat tccaagcgga gaggccgggc gtcttctgag agtcagggtc taggtgctgg 120
 agtgcgcacg gaggccgatg tagaggagga ggccctgagg aggaagctgg aggagctgaa 180
 cntgangnnn gngatcagg nngcnnngnc gatgatgng nagncnagtc tnnncngntn 240
 ntcccac 247

<210> 957
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 957
 aattccgttg ctgtcgggtac gatacttaaa accatcaca gctgcccaag caatagaaaa 60
 ctgtgatcga agtttttagag caatcttggc tgaacctaaa aataaagcat ctgaatcctc 120
 tgaacaagat tattatagta atatgaggca agaagctttg ggacatgaac ctagagtaaa 180
 tatgtttcca tttgaacaac aatctgaatt ttcaagtttt gacaagaatg atagccgagg 240
 ccaggaagca atctccaaac gcttggtcagt tgtatcaaga gttcctttca ctgaagaaca 300

<210> 958
 <211> 280
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(280)
 <223> n = A,T,C or G

<400> 958
 aattccgttg ctgtcgtgtg gagccaacat tgtatgtgtg tggatattta caaatgcacc 60
 gttggattct ttgtcgttca agtgaatgtt gactatttac aggtaaagaa ctctcttctc 120
 tttgtagata tcaggttatt tgaatcaagt aatatttgcc tatctattta tacattaata 180
 tgttttaaaa gaaatttctc caagaagaac attcgtcatt cattatttgn ttgatgagat 240
 gatacttaca tttttatngt gtantcatnn nanatctaata 280

<210> 959
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 959
 aattccgttg ctgtcgaca ggactagcag tgagcaggca gatccctcag caccctgcct 60
 tgcccacatc agcttgctgt cccctgaggc ctcaccctgc cggaatgaca tgaacactag 120
 gactccccct gaaccctcag ccaagcagcg gtcaatgcgc tgttaccgaa aagcctgcag 180
 gtcagccagc cctcaagcc agggctggca gggccgcca ggccgcaaca gccgttctgt 240

cagctctggg tccaaccgga ctagecgaagc atcttcctca tcctcatcat cgtcttcctc 300

<210> 960

<211> 300

<212> DNA

<213> Homo sapiens

<400> 960

aattccgttg ctgtcggaaa aggcaaattc ttagaatttt aaagggtttt ctctcaagta 60
gtttttaaata ttcaaatagat ggtgttgat cccttccctt cagacctgga atcacatttt 120
cccctcaaga cagaaagggc tctgcggcag gttgtgcctg ggaaggggct gcttctcatt 180
tgtggccacc tctctgcca ggagctggtg aggaaggggtg aactagggga tgcctttcag 240
aaciaaggag gtgaggagat gagccctcc acatctgcc caaatagaga cggcgctact 300

<210> 961

<211> 300

<212> DNA

<213> Homo sapiens

<400> 961

aattccgttg ctgtcggagc aggcattggtg gtgcatactt gtagtcccat ctacttggga 60
tgctgaggca ggaagatcac cggagccagg actttgggat tgcaatgagc tatgatcatg 120
ccgctgcact ccagcctggg caacagagca agaccctgtc tcaaaaataa acatagtatt 180
agtacaatga aaagacaaat cgagaataga taatacaaaa atagccttat agtaaccaga 240
cttactgatg aatgccacag acccgagta tgtcacatgg tttatcaggt gaattaataa 300

<210> 962

<211> 300

<212> DNA

<213> Homo sapiens

<400> 962

aattccgttg ctgtcgctt catggacctg ccagcctagt tggggagaag gactgggccc 60
aataccagaa gctgatccaa agtggtcaga actggggaag gagacctgtg agctgaaagc 120
aggtaaagga agtatccaga cagaggcact ggtaaaagac ctggagctgg gaagggtcta 180
gggaccaggg acaggttgta ctgtaattct ggaaaccttg tgaggctcaa agaaaggggc 240
agagagctca gtgggaaata gaaaaggcac ctgaacagtc cagggatggc tttcgactac 300

<210> 963

<211> 300

<212> DNA

<213> Homo sapiens

<400> 963

aattccgttg ctgtcgctgt ggccatcttt ccttacacgt ggggaggaat cagcctgaga 60
atgaaacat cacaggaaa ggctgaaaga cggcaagttt tcaactgggtc ttaccgacg 120
tgagcccca ctctccata tggacctgtt ttggaccaat gaggcattct cttctgtagt 180
cctcaacacg cggagctcca cactcctga gcagtgtgac ctcaggtgct tgctgcagag 240
gcacggggg tctctggcca gaggtgacat ctgaagcaat cgggatcctg tttggttttg 300

<210> 964

<211> 300

<212> DNA

<213> Homo sapiens

<400> 964

aattccgttg	ctgtcgggtat	aagggtgtctc	agcacctgtt	tgccttctat	tccttttaga	60
aggtaatgaa	aagtaatggg	ggaaaggatt	aggtggagcc	tgtctaaaca	ttctagtgtg	120
tcttggcaaa	catagcctga	aatgattcctt	aaagaactgg	cattgtttta	tcaaatattt	180
ttaagggaga	ttccttaatt	gggaagttaa	gtctgtttgg	ggttcaaaga	gtaaatgagg	240
attagaaaat	catggagaga	ggctggggcgc	ggtggctaac	gcctgtaatc	ctagcacttt	300

<210> 965

<211> 300

<212> DNA

<213> Homo sapiens

<400> 965

ctgctttgaa	gaactagggt	ggaaaaccac	caagggttta	gtccactctg	cccccaaate	60
ctgagtctgc	tgaaccagca	ccaccgcctt	cgggtgttgg	tcaggaagt	gcccttgtct	120
ggtagggagg	gtgagcctct	gaaataaggg	ttgggagtca	tgagtggtgg	ccttgggtccc	180
tggggggggg	gttaaaactc	aagagaaggg	ggaggaaggg	ctggggcact	gccctgaagc	240
catttccttc	ctcaccagcc	cagacaccaa	cccagggtgg	cgggagccac	attcatcccc	300

<210> 966

<211> 300

<212> DNA

<213> Homo sapiens

<400> 966

ggatctgacc	ctgattgggg	agagctgagt	gctgagcctt	gggagcccct	gccagccacc	60
tgcacctgtg	gacagtgggt	gggggcaact	ctccccactc	agagcacaaa	tgcaactcct	120
ttccctacaa	ttccatcctg	agccattgca	gggggcaggg	aagttcaccc	ccccaccac	180
ccccccgccc	ccccgaagcc	atgtcactga	aaaggcctgg	gggggatggg	atatggccct	240
ttccccacca	ggcgctaagg	ggaacacccc	cttccccagg	tcttttattt	gtttaagtta	300

<210> 967

<211> 300

<212> DNA

<213> Homo sapiens

<400> 967

aattccgttg	ctgtcgggtac	atctttgcaa	ttgttttcc	ctaagtgtt	gtaagacaga	60
taaaatgtga	aaaattggca	ttaaaccatca	cttgggaaga	gtttgtttct	ttttagcttg	120
aggttggtta	aatggattta	tttactccgc	gccccccccc	cctgcccccc	gtttccattt	180
gggctgaata	ctaaaagggt	tttagagaga	gagaaaagtt	caggggggtt	cataccctca	240
gtttacaatc	tgagaaacat	tttttttaaa	agcttccttc	caaacctgta	gcacattgcc	300

<210> 968

<211> 300

<212> DNA

<213> Homo sapiens

<400> 968

aattccgttg	ctgtcggcaa	tcctcccacc	tcagccttcc	aaagtgtctg	gagctgtgag	60
ctacacctgt	gagatggcac	ccttgcctct	ctgcataatt	taagagttct	gtttagtcca	120
tcaattgagg	tcaggaaaat	gaacgtgctg	aaagataata	tgtaatgata	ataatttgta	180
gacataaatg	ccagccgtgt	ctgttaacta	tttcaggtga	tattgtacta	aatctctgaa	240
atcacctgtg	atgaactttt	aaaataaata	aaacttttaa	gtcacagtgt	gattataatt	300

<210> 969

<211> 300

<212> DNA

<213> Homo sapiens

<400> 969

aattccgttg	ctgtcgggtct	ttgggtgctg	ttctttccta	gactcttcag	aaaaaaatga	60
attaactagc	aatgcttaaa	gaggtagtaa	atacaagcca	atccattttc	attccagctg	120
catttcatgc	ttcagagtaa	tggctgttag	ccagaatcac	ttgtgaagct	ttatacacat	180
atacattctg	tgatcttatt	ccctgtaaac	ccctattcag	tagtcgggtct	gtgatgaaat	240
cccaggcatc	ttcattcagg	ttaaaaaaa	tatatatatg	tctacatgaa	attctgggtat	300

<210> 970

<211> 300

<212> DNA

<213> Homo sapiens

<400> 970

aattccgttg	ctgtcgggttc	tcattggctat	ggctaaaagt	taagagggtg	agcctccttg	60
tacaagctca	tgtaagattc	ttgcttatgt	cgtgactact	cacatctcat	tggccaaaac	120
aatgcccaaa	tttgccaaag	tccatggatg	ggagggttg	caatgttata	ttgaaaaagc	180
ttgatacata	gaggggtgga	gaattggagc	cagtcattca	acctacccca	tatcctttgc	240
acagtcacat	taaataatga	ataacatatt	tcttatttga	ttatttaatt	ggttatctcc	300

<210> 971

<211> 300

<212> DNA

<213> Homo sapiens

<400> 971

aattccgttg	ctgtcgggga	gaatcacctc	cagcacccgc	caagacctgc	agacacacct	60
gaaaccagag	ggcaggggcc	tgtggctcct	ggtgaaacct	tcattcattg	cctgtgggca	120
ctgagggtcat	caagtccagg	ggctactcat	ggcagggatg	cctgggtactg	agagactcag	180
ggctcctgcc	tccctcctgg	gactgtgcaa	aagatccctc	ccccagctg	ctgccccacc	240
ctgatcaggg	gagggggctg	ggcaacctag	ttgggggaga	ggggggccact	ccctgtcctc	300

<210> 972

<211> 300

<212> DNA

<213> Homo sapiens

<400> 972

aattccgttg	ctgtcgggaga	gactgaaaac	agagaaaaag	ttgccgcctc	acaaaaaagt	60
cccactgctg	cactcaatga	aagcctgggtg	gaatgtccca	agtgcaatat	acagtatcca	120
gccactgagc	atcgcgatct	gcttgtccat	gtggaatact	gttcaaagta	gcaaaaataag	180
tatttgtttt	gatattaaaa	gattcaatac	tgtattttct	gttagcttgt	gggcattttg	240
aattatatat	ttcacatttt	gcataaaact	gcctatctac	ctttgacact	ccagcatgct	300

<210> 973

<211> 300

<212> DNA

<213> Homo sapiens

<400> 973

cttggttggg	ataaacttgt	gtatgcggat	acctgcttca	gtaccatcaa	gttaaaagca	60
gaagatgctt	ctggtagaga	gcattttaatc	actctcaagt	tgaaggcaaa	gtatcctgca	120
gaatcaccag	attattttgt	ggattttcct	gttccatttt	gtgcctcctg	gacacctcag	180
agctccttaa	taagcattta	tagtcagttt	ttggcagcaa	tagaatcact	aaaggcatcc	240

tgggatgtta tggatgaaat cgatgagaag acctgggtac ttgagccaga aaaacctcca 300

<210> 974
<211> 200
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(200)
<223> n = A,T,C or G

<400> 974
aattccgttg ctgtcgggac agtgtaggtc taggagacat taatactcac atccactaaa 60
catcaaggta cagttatttt gagtgccact aagagggtgaa tgatgtttcc agagaccata 120
acatgaaccc acttggtctg taggttaggg gtggcctctc tgtggtgggg ggangggatg 180
nnnnnnnnnn nnnntnnng 200

<210> 975
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 975
tttttctact cttctttttt gcagnttccc atttnattcg aattccgttg ctgtcgaaaag 60
aatccacact gccagggtcg gggagcagtg gtggccagca gccctcaggg atgaaggagg 120
gtgtcaagag gtatgaacag gagcatgctg ctatccagga taagctcttc caggtggcaa 180
agagggaaaag agaggtgcc accaagcact ccaaggcatc cctgcccacg ggcgaaggca 240
gcatcagcca tgaggagcag aagtcagtcg ggctggccag ggagctggag agcatagagg 300

<210> 976
<211> 300
<212> DNA
<213> Homo sapiens

<400> 976
aattccgttg ctgtcgggca ggggaggggc ttccaggatt cacaggggca gatgggagcc 60
agcagtgggc agctgggagc tgcgactcat tcaaagagag ggagttagtg cagggtagcg 120
agatcaggaa gaggagtggg gcagaggtgg gaggtgatga gactcaagac tacagagaga 180
agaaagggcc ggcagcccag atcccagccc caccctcct gccctgcatt caggcagagc 240
acagagggat aaagaggag gtgggttggg ggacaaggca gagatgcata tacctgggac 300

<210> 977
<211> 300
<212> DNA
<213> Homo sapiens

<400> 977
aattccgttg ctgtcggtaa gttatatctc ttaactggat tctatagttt tatctcgagc 60
aacttgaaaa agctaagaca tctccaccc acactggat ctacgcgcct ggaagctgca 120
ccttctctca ttgctgtgct ctgctttaag gaaaacctga tatgacagaa tcaagactat 180

taaaagataa atgaggggaa atcttcattt aagaaagttg ccttgctccc caagagtgcc 240
 ttttaattgct attcccctag gcattctggg gcataatcatt aatgaaatca ttaacctttg 300

<210> 978
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 978
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 ttgggcattg gcaccaattc ttcagtacca attctaggag gaacaatggc tgttagccat 120
 ttccccaca tatctgagct tcagcatttt aaataagcaa caagtgggta tggtttattt 180
 ttggaaccag cgtgaaggca gctgacacaa ctcatctggg ttgcctgggt cttgcagggg 240
 cccaaatgca taacagaaat tctttgtgct tcataatagat gaatttgaac agttccacct 300

<210> 979
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 979
 aattccgttg ctgtcgtctt taaagtcaaa ggggtgtaca ctctgtgatg ttattcgtaa 60
 tatcatagga aggggttatt cctaataatca catgggttat cctaggaaga ggttactcct 120
 aatatacac tcctaataatc acagcctgtg atagcattcg gaatatccaa aagggtgggt 180
 acttttaatg tcacatgggg tgcacacct ttgataatat tcgtaagatc ctaggacat 240
 atgacttcaa atatacatt ggggtgtacac acatgggtga cacattgtgt gtgaacacct 300

<210> 980
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 980
 aattccgttg ctgtcgggtg gactgcctgc cctcctctgc ctcatgggcc tgactcagtg 60
 gccaaaggac ctatccatct ctgaggtgag agctttcctg tcttgactgg tctccaagac 120
 aagggtgaaca gggacctcac ctctacctcc ttcttagggg gcgagaacag tactgcccc 180
 gtcaagagga gcacggggga atgggggggc cccaccaggt ttcaagaccg actcgcctc 240
 cctaggagta tggatgtaga aagatatgtg accccacaat agcaatgggc aacctggac 300

<210> 981
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 981
 aattccgttg ctgtcgggtc cgggtacttg cccaaagtca ccccgatgtc aagcgtaga 60
 gcaagaattt gaacccaga gcttaactct taaccatttt gctaactggc tgtctctcca 120
 ggcccccatc accctttcca tcacctccc ctgccccagg ggcatactat caaatggcag 180
 ttccccctc gcttgctca gcattctcaa tttagagctt catggatctc ctctgttgga 240
 agtcatggga tggatttccc atctcagaaa ctgcacaaga aacaaccttg gagttttgaa 300

<210> 982
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(300)
 <223> n = A,T,C or G

<400> 982
 aattccgttg ctgtcgagat gaacagcccc caggtccac cctcccagcc gctgcggccc 60
 tgggcagggg gtgatgtgcc ccacaagaca catcaagccc ctgcctctgc ctcgctactg 120
 cctgggaccg gggcccagtt accccccag ccccgatacc ttggtcgtcc cccatcacca 180
 acctcaccac ccccccgga gctgatggat gtgagcctgg tgggcggccc tgctgactgc 240
 tccccacctc acccagcgcc tgccccccag caccggctg cctcagccct ncggactcgg 300

<210> 983
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 983
 ctggccctca cctcccgccg tagctggctg tgacgcccgc catgggcaca ctggggcagt 60
 gcagtgaaga gacgaggatg cccagcaggc tgacaacggt gcagaacagg cagaacttga 120
 tgaccgcgga gccccggagc ctgagcttgt tcacaaagaa gccgcccagg aagggtgccg 180
 caccacccgc tggcaccacc agcctctcac cagagcagac tgcgggcctc acatcacccc 240
 cacctgcagg agggcggtc tttcctctcg gccacaccta gagcctggtt ccgatgaacg 300

<210> 984
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 984
 cccgggccag cgtcacagtt ggaggagagc agattagtgc cattggaagg ggcataatgtg 60
 tgttgcctgg tatttccctg gaggatacgc agaaggaaact ggaacacatg gtccgaaaga 120
 ttctaaacct gcgtgtatgt gaggatgaga gtgggaagca ctggtcgaag agtgtgatgg 180
 acaaacagta cgagattctg tgtgtcagcc agtttaccct ccagtgtgtc ctgaaggga 240
 acaagcctga tttccaccta gcaatgcccc cggagcaggc agagggcttc tacaacagct 300

<210> 985
 <211> 296
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(296)
 <223> n = A,T,C or G

<400> 985
 aattccgttg ctgtcggaca tcacagcccc tatgaagaaa gtagccacaa tctcaaataa 60
 caaaaggga tgttctaaaa ctttttcttc cttaaaaatg gagaaaattg cacttgtgtc 120
 tgctgtgtgg tatataaacc aggattagtc ccagggtcgt gaggtttctg gtgaaaagg 180
 taaatcgtag aagctagtat attttttata tttttgtaac aattgctttt ttcattgggg 240
 aggcggggta ngatattata gncctaacaa gtccagtaat tttttataaa tcttca 296

<210> 986
 <211> 300
 <212> DNA

<213> Homo sapiens

<400> 986

aattccgttg	ctgtcgaggt	gcagggttta	gtgcaggacc	ggaagggtga	ggtgtcctag	60
gcctcggggc	tcctggcctg	ggctggctga	ggcaggactc	tgccaaaagt	cccctgccag	120
gcctcatggt	ggtgctcctg	gtggcagtgg	ctctctggcc	gcgggccctg	tctgtgtctc	180
cgtggtggct	ctcacagggc	tctccagaca	ctccttgact	gcacccttca	gtcttgcccc	240
ctaggcctgg	ggccccttgg	gagcttgctt	gacctccctt	cctgggctgg	gtagccatgg	300

<210> 987

<211> 300

<212> DNA

<213> Homo sapiens

<400> 987

aattccgttg	ctgtcggttg	agcatactgt	aatagtcata	agtttaattt	cattataata	60
aaaataatca	aacaaaagga	ctttagaacc	caagacaatg	agctagtttt	ccctaaagtt	120
tgtcgaacta	ttaaggaata	tgttcttata	gcttttgact	agaatgagtc	atgggaattc	180
taagaaggga	tggcctagac	atttttagct	cagttaaatt	cagcatttaa	tgcagggtgag	240
ttcctgggtc	gttttccaac	tagtctggaa	cagtctgggt	ctgactcaaa	ctggtataaa	300

<210> 988

<211> 258

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (258)

<223> n = A,T,C or G

<400> 988

cgacacgttg	ctggcgctgc	accagcacgg	ccactcgggg	cccttcgaga	gcaagttaa	60
gaaggagccg	gccttgactg	cagttgcaag	aacngnaagg	naaangaagn	actntccaaa	120
atnanagnng	gnaatacttc	nnagantttc	tgtgngttat	tttnnnnana	nacnttcata	180
ttnanttttn	ttttnatn	tatntnttat	tnnnatttna	nagnaatan	tattnngatn	240
nntntntan	ttcattnt					258

<210> 989

<211> 300

<212> DNA

<213> Homo sapiens

<400> 989

aattccgttg	ctgtcgggag	gacttgaact	cctcactaac	atgtagaatt	gggctatttc	60
ccactcga	gtactgacct	ccagctttcc	taaaatccca	ccgcacatgg	gctagcaatt	120
ctgagatgaa	agcgggaagct	gtcattccca	ccagtgtctc	aggcgccagg	gcagcctcct	180
cagggacgtc	cctgcctcct	cattgcactc	cacaaccaca	gcagagcatc	cacagtcgta	240
attaggcaat	tcttcttaaa	aaatgttatg	taattagcac	accatagaat	tccccatttt	300

<210> 990

<211> 298

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(298)
 <223> n = A,T,C or G

<400> 990
 aattccggtg ctgtcggata accaaaacag tatatgtagg tagaaaagag aagagtgtaa 60
 ggtcttagct ctggaggact ggtgatattt aaagcttagg gtgataagga ataggaatag 120
 agagtgagaa cgaggggcca ggaaatgtag gaaagctaac aaagtatgtt attctaggaa 180
 tgaaagagaa agtgtatcat ggaggatgct gatngnctgc ntcncacgtt tgtngnctag 240
 nctcatngct ntaatnnaatn nanntcttga ttntgtcatt tcntnannnn ctacctct 298

<210> 991
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 991
 aattccggtg ctgtcgtctca aggcttcaaa cagcgcagat aaatgcaggc aagaaaagat 60
 gccgcggtg ctgccgtcac cgcctcctgg gtcgtccgcc acgggttgca ctgccgtggc 120
 agacagctgg acttgagcag agggaacgac ctgacttact tgcactgtga tcccccttgc 180
 tccgccact gtgacctga accccatgca ctgtgacctc cccccttctc ccccttccca 240
 ctgtgattgg cacatcgaca agggctgtcc caagtcaatg gaaagggaaa ggggtgggggt 300

<210> 992
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 992
 aattccggtg ctgtcgggtt cttacattt ctagtgtgtc gcaaccatcc ctgtcttaca 60
 ttacattatt aagttagtct tattacaaga ctaatgaatg acagaataga gcaaactagg 120
 actttggagt cagacagaca tgagtcagat aagagttcaa acccactgac tgccgtaaac 180
 ttgggcaaga gatttaaccc tgtcagggcc tcagtgtact cattagtaaa ggtaataata 240
 agtctgtagg aaataatacc tacatactta catttgacat atatttaatg ctccagctta 300

<210> 993
 <211> 271
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(271)
 <223> n = A,T,C or G

<400> 993
 aattccggtg ctgtcggagt ttttgctatt atattttatc agatgctaac atatccctaa 60
 cttctggctg attctttgct ttaatccttt ttatctatca gtcaccaaact acttaattga 120
 ttctttttgc tgggaaaaaa gccaaaaaaa aaaaccaaac tgcccacaag gaacttaaaa 180
 tcatttatgg ggattngnat ncagttntn gnccanggg cgcggnatnn nngcncccn 240
 nnanntnccn gggnttangn ngtnccacg g 271

<210> 994
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 994

aattccgttg	ctgtcgggga	tttgtttcta	ttaaaaaata	ttttcaagt	gtttcttgta	60
cttttagtat	aagacattga	gtaaatata	gaagcatagg	aacagtattt	agagaaatca	120
gtaacctttt	gtttacccta	ttttgaatcc	taaaagaaaa	agttcagtta	tcatggccag	180
gcgcgatagt	tcaggcctgt	aatcctagcg	ctttgggagg	ccaaggcaga	cagatgacct	240
cgtgattggc	ccacctcagc	ctcccacaa	gtctggtatta	cagatgtgag	ccaccgcacc	300

<210> 995

<211> 300

<212> DNA

<213> Homo sapiens

<400> 995

aattccgttg	ctgtcgatat	atttggcttc	tataaaaatt	aaaaaccag	ggataagaag	60
aaggggagag	aattggaaag	cccctgggtt	gctttaaggg	cctctcagtg	cagcagaaca	120
catgctggct	ctattcataa	ctttgctctc	tggatcaata	ttctgaaagt	tggtagattc	180
ttttcatttg	tgtctttcac	agagggcagt	aaaatttagc	tctaattata	tttagggcat	240
ctggattcta	gtcagcattt	tctggctccg	ttttagaacc	taaagtctgc	ggcttattcc	300

<210> 996

<211> 300

<212> DNA

<213> Homo sapiens

<400> 996

aattccgttg	tgtcgaatgg	gagccatgct	actggtttat	ttacaccaag	ctggatgggt	60
tcctttttag	caagaaggag	gtcatcagca	ggctcccaac	aataatgccg	aagttaacaa	120
tgatgggcaa	aatgcaaa	acttggaact	tgaagaaatg	gagcgtctta	tggatgatgg	180
gcttgaagat	gagagtggag	aagatggagg	tgaagatgcc	agtgcaattc	aaaggcctgg	240
attaatggct	tcagcttggt	ctttcatcac	caccttcttt	acttcactaa	taccagaggg	300

<210> 997

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(300)

<223> n = A,T,C or G

<400> 997

ctagatttct	gggaaaacgt	gactcgggtt	cctctagaga	agcagtggca	gatgagagta	60
caaaggcaat	ggggagctgg	aggaaggcct	taagcagggg	cggcggcatg	gtaaggtttg	120
taggaggact	ggctgcagca	gaggcaggga	gaccagtgtg	gagtctgctc	agcagcccac	180
tgggaagggt	gtgatcgccg	tggatgatgag	cagttcttgg	tagctgcatg	tgaggagggg	240
gacaggctcag	gaactctagc	tcaggaaacc	ctgtggatgg	tggagggnaa	gatcagctctg	300

<210> 998

<211> 300

<212> DNA

<213> Homo sapiens

<400> 998

aattccgttg	ctgtcgcaat	tgaaaaacac	agaactgtac	ggaatttaaa	agtggaaata	60
tggcatctat	cttccttgca	ttccacgcag	gtgtcatcca	gccacaccct	cctctctgca	120

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gctctctctg caagcactta acacctggca tgcaccttcc agacctttct tgtataaaca 180
tgcattgcac gttttgttgt tttctaacag gatcactata tgtgccattc taccacttgg 240
tttttttaat tcaacaaaat gccatgagta tccttttagtc tttttatgga cagccctagt 300

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<210> 999
<211> 300
<212> DNA
<213> Homo sapiens

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<400> 999
aattccgttg ctgtcggcgg agatgggtcac cagaattaaa ggctggggaga atactgaaga 60
gctcaagtct attgagaact tagaagaggc cattagttct ggccgagaga aaagcattca 120
ggatttttac aaagttttgg taaatcccag tgagcgcaaa gctagactgc agtagatcga 180
gaagtgaata gaaagtgcac aacacagacg gagtgaaaac aactctttca gtaagtccag 240
tggtggagga aagatagctt aaagaggagg taatagtaga gtcagaacct tcaacctggg 300

```

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<210> 1000
<211> 300
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

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<400> 1000
aattccgttg ctgtcggatt ttctccctag agtgactttg ggtctgtcac aggacttgct 60
gctttcccaa gtataaaaga acaactgtat tttagaaggg gctgggttaa acaccaggaa 120
agtactggtt aaatataatc tttgtacttt agactgtgtt cttatcacat atcagcctga 180
taagaggcaa cagtttcaaa aaagtatttc acttttgtat ttctaggtgg aacagacaag 240
ttcttcatgt tgttggggta ggggcagtgg aggggtcaagn tcattatcaa acttttagat 300

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<210> 1001
<211> 300
<212> DNA
<213> Homo sapiens

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<400> 1001
aattccgttg ctgtcggaga aaccaaacag gtaaaagcaa gtggtgaagc cacatggatt 60
aatgagatga tagaaagtac aaaatcacta tgtaagtcag attaaaaagc cagcttgcac 120
tctctgcttt catctttttg aagcaataac tattacataa atcagtgaat acagtatttc 180
tacagtattt gaaacgggtg tcacacccag caattccact tctagacata tatccaagag 240
aatggaaaac atgtgcacac aggcacttgt acatgaatat ttatggaagc attattcaca 300

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<210> 1002
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 1002
aattccgttg ctgtcgggtt tcgccatggt ggccaggctg gtctcaaact cctggcctca 60
ggtgatccgg ccgcttttggc ctcccaaagt gctgggatta taggcatgaa ccaccacacc 120
tggccaaaag caggtcttta tttttaatgt ccaatttata tgcttaattt tgtctaaaaa 180
gatgatctta atgcatacat tagatgataa tttcctcttt gttccacttc atttcaacat 240
aattttttcc catatagtgt cttttaactt ttttaagag gggatatttg aatgagacta 300

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<210> 1003
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1003
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 aatttcttat ggttcgtttc cttagggttaa agattcagaa gtaggatttt tgaattaaag 120
 aaactaaata ctgtctatgg cgcttgatac atcttgccag gcagttatca gacagggttg 180
 tactggtttg cgccacccca gaacgtgtgc aaggcctgtt tgtggaccct ccttggcctg 240
 gctgtctagg tcatccacct gcgtgtgctc acagagcata tggatttttc cctgcggtgc 300

<210> 1004
 <211> 234
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(234)
 <223> n = A,T,C or G

<400> 1004
 caacaacatg gtctctgtcc ctctctcttt gactctccct ttgtctctcc catagagctg 60
 ggggtgggtg gatccctata cctggggcag gcagccccaa agtgggggag ggggatggca 120
 gagactgtaa aggcgccact ggactctggc aaggccttta ttacctttac tcccctccct 180
 ctcccatcac cagcctcaag gcctgagggg tgcaggggct cctggnagct actg 234

<210> 1005
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1005
 aattccgttg ctgtcggcca ggtactatta gaaataagac aaaaatctct gcctccaaag 60
 agctcccaga gctcttggga gtaagggttt ggagtggggc agacaaaagt acacaaacca 120
 ttggaccacc tgagccaggg gctgtgatag aggcctggcg atagtgggct tggcaggaag 180
 cacttgtggc catttgggaa aggggcacat tgctgtaaga tgctgaatgg ccaatgcctg 240
 gaataaggag ggtgtgcctg tggcaaagga atatcccagg tgctaggggc cagcccagaa 300

<210> 1006
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(300)
 <223> n = A,T,C or G

<400> 1006
 aattccgttg ctgtcgatga atagtactca aagtgttttt gttgcactgt tactctgaat 60
 atggactctc tatatctggt atggcgtgac tgcgcataac ttctgtaatg tatttcagtt 120
 atntntnttt ccttntatng ccncttatg atnatgacac nctccnng gatgnagata 180
 tatggaacca tatnttataa naaccctgn ccnntnttnc ttctgacctt cagttcactt 240
 tgtcgcctt ggagaaagct gttnttcttt aactaaaaat aacccaaaatg ctaaaaaaaa 300

<210> 1007
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1007
 aattccggtt ctgtcggata aataagatac tgatgttgta gatttctttt tgcaaagatt 60
 atttctttac caaatttagc ttgtgactta tcttgagtt ataagacatt cctaacatgt 120
 gactgttaaa gtcttgga gaagtagtat gtttctttat tacttttcat tatttctcat 180
 gcaacaaaat agagcagagt ttattttaaa atgtgaaaag ttacactaat gaaattcatt 240
 ttattagtgt tgaataaag gaagtaatta gagcatttct ataataaata agtaaccatc 300

<210> 1008
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1008
 aattccggtt ctgtcggcag gggtcattcc acattaccag agcttggtcc agagaggcag 60
 tgggaggctc cacaggcagg cttggagggt gcttgccct aatactaaat gttggacttc 120
 atggcattaa cgaaggggaa tctctggagc cttttagtat gaagctaact tttttgtcca 180
 tcacaggcaa cttcttgctt acactctttt acaatatggc atttatgaca tagccaagag 240
 cgaagacacg ttgaacactg acttaatgct ttgagtaggt ggagagttga atgactcaag 300

<210> 1009
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1009
 aattccggtt ctgtcgcttg tttttaatgg ctcaactgtc tgatgtaatt gagtgaaggt 60
 ttgcactgag aaattagcat tcaggcctta ccccatgaa gtattactgt taacatatgt 120
 tcggactgct tcccttcacc aatgtgaaca actttttttt ccaaacagtg ttaaaagcca 180
 ctttgcacaa cttgacttca tcttaatgta cattcactgt tgttacatac atatctaagt 240
 aatcaaagt tttgggtgga agtgttgaga agtatgagtt ttttgttgtt tttgttttac 300

<210> 1010
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1010
 ccgaaaggcc ttgtctgatg ccattaaaaa atggcaggag ctgtcaccag aaaccagtgg 60
 aaaaagggaag aagagaaaac aaatgaacca gtattcttac attgatttca agtttgaaca 120
 aggtgacata aaaatagaaa agaggatggt ctttcttgaa aataagcgac gacattgtag 180
 gtcctatgac cgacgtgctc tccttcagc tgtgcaacaa gagcaggagt tctatgagca 240
 caaatcaaa gagatggcag agcatgaaga ctttttgctt gccctacaga tgaatgaaga 300

<210> 1011
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1011
 aattccggtt ctgtcgcgga aatgtccgaa ggcagcagta cttgaccctg tattttggga 60
 gtcgaacgga gaatggaaac tgaaagtgga aatcaggaaa aggtaatgga agaagaaagc 120

```

actgaaaaga aaaaagaagt tgaaaaaaag aaacgggtcac gagttaaaca ggtgcttgca      180
gatattgcta agcaagtgga cttctggttt ggggatgcaa atcttcacaa ggatagattt      240
cttcgagaac agatagaaaa atctagagat ggatatgttg atatatcact acttggtgctt      300

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<210> 1012
<211> 300
<212> DNA
<213> Homo sapiens

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<400> 1012
aattccggtg ctgtcgccca gagactggct cccagtgagc taagcccagc cgcgaccctt      60
ggatgtgcca gctgatttaa tactcatgat aaacccagta ggtcagtgcc agtattatga      120
gagaagtgag gcacagaatg tcacatccac ctcccaaag tcaacagcta ggagtgcacg      180
agccaggatt ctgccaggca ggttggcctc agaggccaca cttcttatcc caataataaa      240
agtgaacaag aacaggatga agtttagatg agagagcgag agtggttaaca ctcatgcaat      300

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<210> 1013
<211> 300
<212> DNA
<213> Homo sapiens

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```

<400> 1013
aattccggtg ctgtcggttt catcttcttt gcccatgtac ttcactcagt ccataatgct      60
cacctctgcc tctgaaactg cccatcccct aagaccagc tcctttgtca cctccagtga      120
gaagcctccg ctgcttttct ttccctcctc tggccccctg cagcacttcc tttgaacctc      180
tgttttggca cttaccatgt tgtttggtga gggctctgtt tacttgctg tttctttcac      240
tggtgctgac tcctgtagac aggggacttt gcagaacatg tggaggagag gagtccgtgg      300

```

```

<210> 1014
<211> 298
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(298)
<223> n = A,T,C or G

```

```

<400> 1014
aattccggtg ctgtcgagcg attagacctg tcataaagtt tgaaaaattg attctggagg      60
cgaagtgaat agattgagct tgacagtgtt gtcctaaaga ttctaaggga aaattctgta      120
gtttaatttg aaatcccttg attattcatt agctttccag atggcttttg ttgatgtttt      180
acatattaat gcctgtattg tgttattggt gtactcttaa tgtgcacata ggtaatgagc      240
anagaatana tacattggta agtgtcccan attaattggga tattancgta nttgcgaa      298

```

```

<210> 1015
<211> 278
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(278)
<223> n = A,T,C or G

```

```

<400> 1015

```

```

aattccgttg ctgtcggcctt actactaatc aaagaaacag attaaaacta cagtaagatg      60
tcattatttta atttattgat tgtggaaaga caaaagtacc agatgatacc agatgatgac      120
aaggggtaaa caggtacttt attttattta tttcttaaac attatctttt tttttttttg      180
naaanaccnn gccccccggg tggnnngnec ggnnnccant ntaanttggg ngnaccntnn      240
ccnccggggg nnaaggggnt ttncnncnt aaccccc      278

```

```

<210> 1016
<211> 260
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (260)
<223> n = A,T,C or G

```

```

<400> 1016
aattccgttg ctgtcgggaa agtcgtggag ggtaagcaca gtcctgaaga cacaggatgg      60
aaacccagg atgagaagg agcagggaga gttccagaaa gggggatgaa ataggagtat      120
taaaaagctg cgttggccag ttnttcatgn ancnnntgnt gcnnnangc gtatnttanc      180
cttgctntat antctntnc tntnnnntn cnnntnntan tntaactttn ttntntnnac      240
nnnnnnnnnn tncgntgnnt      260

```

```

<210> 1017
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 1017
aattccgttg ctgtcggaac gcatcacgc tgtctaattc cagagcattt ctgtcacccc      60
aaaaaagaaac tccatgccta ttagcagtca ctcccagttc ttccttctct tttctcctac      120
ctcctttgac taagcctccc tcccctactc cctcctttcc ttccttctct ccttcttctc      180
tatcaatata atcactttgt ttctttcagg tgagatcgga ctggaactgt tcggctgcga      240
ccagaaattt attttcctga gtaaatgcc gagaattaag aatgaagagg gccatttgca      300

```

```

<210> 1018
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 1018
aattccgttg ctgtcgctag ttataaaagt gtaatttcta ctgtgtcata atcagccatg      60
cagctggaga cttgccctct ttgtacagca aagtgtgtgaa aaaaagtatt tgcactacat      120
ttatttaaac attaggaaaa aaagccaacc catgcttttc tttgccgaga tgtagggctg      180
tattattggc tagtgagaag cctgggaaca ctaggacttt gtgtgggctg attgcaggta      240
tcagatccgg gattatacag gtactgttgg aagtatcttg gggattttcc tgataagaac      300

```

```

<210> 1019
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 1019
aattccgttg ctgtcggaac tctttaagaa agtcaacag ggaaatgaag ctctagatga      60
aatctgtttt aaagtgtggg cctgtaatac agtccgtgat atactggaag gcagaacaat      120
tagtgttcaa ttaaccagc tatttcttag accaaataaa gagaaaatag actttcttct      180

```


tgaggatatgt tcaagatcag taaatttaga aaaagcttca gagtctttga aaggaaacat 240
 ggctgctttt ctaaagaatg tgtgtctggg gttggaagat ctgcagtatg ttttcatgat 300

<210> 1020
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1020
 aattccggtg ctgtcgggaa tacaataga tgacctgtta tctgtgtcag cttttgatac 60
 tatctgccct tcacgtcttt attcttagat tgtcatctgt ggggtgaaaa ccttaagttt 120
 ctaccatag aaataagccc accatatttc agaaaacatg gtgggtcata ggaaagcact 180
 cagatgggac aacctagtgt gatttggtac aaaatgagcc agatgtggga aaaggcaaat 240
 taatatgatt atgaaaagta agaatgatgg agctgggtgc ggtggctcag cctcccgaga 300

<210> 1021
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1021
 aattccggtg ctgtcgattg attttagtgg tattggagaa aattaaataa ttaggaggca 60
 tgtttaaaga catctacaaa gcacctaata taatttggag tgagtctttg ggatggcttc 120
 ccaattctga gtcccaagat taaacaggcc aatcttgggc cgggcaaagt ggctcatgct 180
 tgtaatccca gcacgtcggg aggccaaagt ggggtgatca cctgagggtca ggagtttgag 240
 accagcctga ccaacatggt gaaaccccat ttctacaaaa attacaaaaa aatttagcct 300

<210> 1022
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1022
 aattccggtg ctgtcgggtg ggtttcaatg agagaatgag tgtaaaatgc ttcgtacaat 60
 tactgccact tatgtctcaa taactgctgg ctttggcat taataaaaga gggaaacaac 120
 attatcagat ctgtatttag aaggagtctt ggcagatagg gacagatttg tgccaaaatc 180
 tcaagacagt atttttcaag attacactga aacttagtac atatttatat tatcatacat 240
 ttttaaaaag gtcaagatga ttatagttag aaccacatag ttcttttttt aagaaagtca 300

<210> 1023
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1023
 aattccggtg ctgtcggatt tgtactatta agagagaaaa aatatgccac acaactaaac 60
 ataggttgaa attatgaaga aatttagaat agaggtttat tagatttagg gaacactaag 120
 aacaaaaaag gaaggagtga tacctgcctg agtggacagc tgtaaatcag ctgtaattac 180
 tgcagttgta ccaatagtgt tgagtggctc cagtcacttt aggagtcctt ggaagtactt 240
 ggtacacatt tgttggctgt accttaaagg aagtggcaag tccagtttgt tctctctacc 300

<210> 1024
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1024

aattccggtg	ctgtcgataa	ctttttactc	atatcattgt	ccctatat	gtattaagag	60
cattttgtat	aaaacttcat	gtgaggatct	caattcttta	taattctctt	caaagcaagg	120
aagtatatat	agagagacct	ttatttttta	gtaatttttt	caaatgggtt	gggagatctt	180
attctagccc	aattctattc	tggcacttaa	ttattttctg	gtggcttgta	atatggtaaa	240
tactggattc	cagattgcat	tcctatttcc	ttgggaggtg	aggatactcc	catttgtaca	300

<210> 1025

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1025

cgcgcggttc	agagctgggc	gctgcagctg	cactgccgat	cgccgtgttt	ggtcgataga	60
atccccagtg	tgcccagaga	gtgcgacccc	tcgcccggcc	cggcgagccc	cgggcgtgaa	120
ccgaactgag	ggaggatggc	agcctctggg	gtggagaaga	gcagcaagaa	gaagaccgag	180
aagaaacttg	ctgctcgga	agaagctaaa	ttgttgccgg	gtttcatggg	cgatcatgaat	240
aacatgcgga	aacagaaaac	gttgtgtgac	gtgacccca	tggtccagga	aagaaagata	300

<210> 1026

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1026

aattccggtg	ctgtcggtta	ccaccgcctc	ctgggtgtctg	agtttttagca	gagcttttgc	60
cctctgagga	ccccaccca	gcttcagat	atgaagggtg	cggtgctgtt	ccctgggagg	120
gacccctgaa	tagatggacg	ggagggactc	tggagccaag	ggtctccgca	acgtcactgt	180
gtggatggga	accctgagat	ccagggttgg	ccagggatga	ccacaggcat	cattcacacc	240
actccttcac	cgcaggcctg	cctgggggtca	gtggcgccag	ccccaccag	cccctggact	300

<210> 1027

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1027

aattccggtg	ctgtcggtta	cttcaccatc	ccagacaatt	ctcgttactc	ccgtaacata	60
cattgcttaa	taagggttcat	gcttgaacca	gatccggaac	atagacctga	tatatattcaa	120
gtgtcatatt	ttgcatttaa	atttgccaaa	aaggattgtc	cagtctccaa	catcaataat	180
tcttctattc	cttcagctct	tcctgaaccg	atgactgcta	gtgaagcagc	tgctaggaaa	240
agccaaataa	aagccagaat	aacagatacc	attggaccaa	cagaaacctc	aattgcacca	300

<210> 1028

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1028

aattccggtg	ctgtcggttc	atatgcagac	aaagcacctt	caagatcttt	gaatgaactt	60
aaacaatacg	gattttttctc	ttatttgaga	gaattatttg	atgcacctga	tcctgtaatg	120
agttaccttt	gctgtcagta	tcataattcat	gaagttcctg	taggaactga	aaagaccaga	180
gaaagaattg	aacgggtaat	acaagaaacc	cgattaaaac	agatttatac	agcagaagaa	240
aagtatgtgg	tgaaaacttc	tttttattca	aacaaagtta	tttctagtaa	cacatctcta	300

<210> 1029

<211> 257
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(257)
 <223> n = A,T,C or G

<400> 1029
 aattccggtg ctgtcgataa tttctctgaa agtctttagt gacaaagcca aatatagtat 60
 tcttgatttt tacgtcttca ctctttaccc ccttttatac tggtttcttc tcagattaac 120
 atcttatatt cnatgaagnn gangganatn tattnctggc tttannnnnt ntacnnccnn 180
 nngancnnct ntgtnnccnn tnnnanancn cnngtncnna tttttnnntn ctgctgaann 240
 nccanttctc nctntta 257

<210> 1030
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1030
 ataatactaa aatatttact ttagtgtttc ttgacattca aaaatgtcat tggatttgta 60
 attcaggtat catatttgaa aatgagtctt ttaaaagata acataaatat ctttattttg 120
 acacacaagg tcaagactag aaatgtgttc ctgggtactt tcagcctact tggtttaatc 180
 aaattgcttt tgaatatgaa tgtcctaatt taattctttg gacctttgag gggaggacac 240
 tatcacttct acatatgtag agaagtaaaa gtctcataga tccatcttgc tttaaaaata 300

<210> 1031
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1031
 aattccggtg ctgtcgattc ctctatattt aattttgaaa acctaaaaga aggattgtgc 60
 atcttgagag aaagttgagc aaattgtgat ctaccggaat gttaatttgt gctgcttctt 120
 gtgcacgata gcagcagtag tatctctctt ggaaataaac atcccatatt atgatgtcta 180
 tgaatatagg tttccttttc ttccttccct cctccttcc cccaccttcc tctttttttt 240
 ttctctctca gcttctcttt tctccttcc ctcttctctt cctctttctt tacttttttt 300

<210> 1032
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1032
 aattccggtg ctgtcggcgg ggaggacgta ccttggtgaga tgcgagccgg ccaacagett 60
 gcaagcatgc tccgctggac ccgagcctgg aggcctccgc gtgagggact cggcccccac 120
 ggccctagct tcgaggggt gcctgtcgca cccagcagca gcagcgccgg ccgagggggc 180
 gccgagccga ggccgcttcc gctttcctac aggcttctgg acggggaggc agccctcccg 240
 gccgtcgtct ttttgcacgg gctcttcggc agcaaaaacta acttcaactc catcgccaag 300

<210> 1033
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1033

aattccggtg ctgtcgacaa gaacaagggt gatagcggtt ttcttgacac atgcacttta	60
agctccaaga ggaggcctcg agtcagctca caacaacatg ccaacagtga ctctgtgctt	120
actttgtgcc aggcagtcct tagccacttc acatctcact taagttttta ttagagtctt	180
aatgaagtgt gctctctccg acctatgccc attactcaaa tgctgcgggt ctatttcctt	240
acttataaaa tgaggtaaat aatgcctaaa aaaggattgt catgagaatt aaacaagtta	300

<210> 1034

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1034

aattccgttg ctgtcggttt aaatgttttc ttccgggatta aaaaaacctg aatgtattct	60
gggaaaatgt taaatggatg caacactata agattttcca cagaaatatg ttattcacccg	120
tgaagcacaa tgggaaggct ccattagcac ttttagatggg atcataactt tggaaaaacc	180
atttcacat ggcagtattt acaaaaactg aagctgtccc tgcaggttt tgacagagct	240
tagctatata ggtagtaagt gacgcagtgc caaaaccagt cttaaattac ctatgttgc	300

<210> 1035

<211> 274

<212> DNA

<213> Homo sapiens

<400> 1035

aattccgttg ctgtcgggga ccacatcctg cttcatgtca gtgactcctg ccccttggtc	60
ttcagtgttt ttctcttccc caggaggagc tttgatcatg caggatagaa ttctcccatc	120
gcacacctgg gggcaagttt tagatgagct tctttcctcc atttcacctg gtggtctgag	180
gacacacaga gggtaggggt gagcaggcag tgtgggtggg aggggctacc tccccagac	240
cccttacaaa ctctgtacct ctcggtgcgc ggca	274

<210> 1036

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (300)

<223> n = A,T,C or G

<400> 1036

ttgcgtctga gacttctant ccgntcttgt tctttttgca ggatcccatc gatccttctc	60
gaccttccac ctccaccagg tgccgacact tccctgaccc cagtaacctc ttctcttggg	120
tgggtgaatg ccacctgctg atgtctgatt tattcatcgg ttttcttgc tgtagtctgt	180
cccccttggg gacagggact cgttgcctcat gttcaccgg caggctggac acttcgtgga	240
gggctccaaa gccggcagat cccggggccg cctctgtctc tcccaggccc tgcgtgttgc	300

<210> 1037

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (300)

<223> n = A,T,C or G

<400> 1037

aattccggtg	ctgtcgaaat	attgttttaa	aatgcatcag	cctatgctat	acaatctgaa	60
tggtatttta	acttataggt	ttttttaata	tatatattta	actataagga	cagtttaggg	120
aacaagttac	ctaccacatt	tcactttagt	gtacctattt	acagaaagat	taaactgcca	180
cctgcgggca	cattcccata	aatgtgnact	ttactttaaa	aagaacatgc	cacgattttg	240
tctttctgtg	gactcaacat	tcacttcgat	taaaaatagc	aatttgacca	agttggactt	300

<210> 1038

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1038

aattccggtg	ctgtcgcttc	tccacctcat	ctcagcttag	ggactgggta	gatcgtccag	60
gtgacaacac	atgcttctga	acctacacat	ctgccttgct	ttctgaaaac	aattttctaa	120
tggttttgaa	aaagtaatgt	atgcatgtat	tgtatccatc	agaatcctag	aaggacacag	180
agaatgctct	taaactgggg	agtttctgga	gagtttaata	aagatgtggg	ctgggcgcgg	240
tggtctcacac	ctataatccc	agcactttgg	gaggccgagg	cgggcagatc	acttgagctc	300

<210> 1039

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1039

gtgaaaaact	atcactttca	acaatgaaga	atagtaatat	gtcataatgg	agattatgaa	60
gttcagaaaag	gggtaaatgc	agttttgggg	agggtgaga	ctaagagaga	acacaataag	120
acaggcaatt	aagactgaca	tgaaagatca	gtcacattga	taggatatac	tcttgatatg	180
atataatgag	aatggcagtt	taccgctgtg	gttttctttt	cccaaaaccc	ataaccacag	240
cctaaccatg	agaaagacat	caaacaaatc	ccaatttggg	acattctgta	gaatacctaa	300

<210> 1040

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1040

aattccggtg	ctgtcgggat	cctcatgcgg	aagaatttga	agacaaagag	tggaatttgg	60
tcatagaaaa	tgtaagctaa	tggtcaaattc	cttcaccttt	cacattttca	actttatata	120
tgcatattta	aggtacattg	gcattttggg	ggtaggaaaa	atgttgccct	aagaaaatta	180
aatagtgtat	tgtagctttt	agaatgtttt	taatgaaatg	atagccagta	acaaaattat	240
ttgtaagaaa	tgctttttatt	aacactgtaa	gtcttcaata	ctaaattgta	tgtatgtttg	300

<210> 1041

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1041

aattccggtg	ctgtcggttg	ttttaaacac	cacttttgag	atgctaaaaa	ttcagtccca	60
atgggacttg	ttcaaatcca	gttcagtttc	tggtcatcaa	aaaatcaatc	tgttttaaga	120
tctagtctta	cccatgaaaa	ctttaataat	ggtagatata	taaaacatga	gttaattacc	180
cccaaatgt	ttcagttttt	tcattgttat	attgccaaaa	accattctgg	ctatatatat	240
ttttaaaaga	agccatttgc	atgtccttta	gtggtagaat	agaaatttgg	ttaaaattgg	300

<210> 1042
 <211> 295
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(295)
 <223> n = A,T,C or G

<400> 1042
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 aagatcacca ttgtcgactg gacaactgca ataaatttga cgggtgtttc tcttaaaaaa 120
 aaaaaaaant nctgggacan accanggacc cntgngttcn catgtcntgg ggnccagttt 180
 ttaactgggg aanccgnggn nggcntggaa aaggaggcag tgnccgngac tgtgctgttt 240
 tccgaagccc cntgcctgct gcctgttcct cggtcctcgg ggctggactg gcgtt 295

<210> 1043
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1043
 aattccgttg ctgtcgctca aaggcactct catgacagac ggctggggga gcacagagga 60
 ggctggcaga gctggggact gagggcattg ttgtcgattc tcaactaccg gggcagcctg 120
 ccgcagatgc acaggcccca ggtgcaggcc accacctccg ggtcggcacc aggactgccc 180
 tcggtgctca tagggaatgg ctgggcccac ggaaggtcgg cctgggatgt ggccctgggac 240
 tgctgtctctg ctggctgctg tgtggatgct tttcctggag cactttccaa ggcaccccc 300

<210> 1044
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1044
 aattccgttg ctgtcggtag gaaaaatccc attctaataa gggttatattt atgtagctct 60
 gcaaataaac atctagcaaa tgtaaaaagt attttctttg ccttaaaaat gattaaaatt 120
 atttgaaactc ctgaggagtg ttatatgaat aaaattagta agttatttgg aggaaagtta 180
 ttttttaaaa agacaactgg taaaacagta caggagaaaag gccagcttcc tcaagtgagg 240
 acagttgttt agaattgact gaggagcggc cgggtgcgga ggctcacatc tgtaattcca 300

<210> 1045
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1045
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 accctatcgg gagcttctgc gggaagctgc ggtctctggc cagcacgctg gactgcgaga 120
 cggcccagct gcagcgagcg ctggacggag aggaaatcta ttgttttagat tatccaatga 180
 gaattttata tgaccttcat tcctaagttc agactctaaa ggatgatgtt aatattcttc 240
 ttgataaagc aagattggaa aatcaagaag gcattgattt catacaggca acaaaagtac 300

<210> 1046
 <211> 300
 <212> DNA

<213> Homo sapiens

<400> 1046

aattccgttg	ctgtcggacc	aacttgatga	tggcatctct	tttaagatgc	ccaagtctgc	60
gcacttttat	tcctttattc	ggcccttagc	acccctccc	caccccaaag	aaggtcagtt	120
gcattgcgtg	ggggatgtag	ctcaaaaaag	aaataagatg	gagtggaag	gaaagaaag	180
aagaagcagg	aattcaaggt	gggtgggctg	agcttggggc	cacctagccc	acctgctcca	240
atcaagggt	ggaacaaacc	tgaggccact	tggagaggca	gggctgggca	gggacagggg	300

<210> 1047

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1047

ctacttggtc	ttttgcagg	atcccatcga	cagatcctgg	tacccctgc	ccgcgcgat	60
ataatgcttt	ttcgcctccc	tgggacctcg	gacttgggct	tccttttga	catgaccaac	120
ggggcagcct	tggcagccaa	cagcaatggc	atcgccggca	gcatgcagcc	agaggaggag	180
gcagctcggg	cggctggtgc	agccattgca	ggccaagcct	ctttgctgt	gttacctggg	240
gtggaccgct	tgcccatggt	ggctggaccc	ctatccccc	aactgctgac	ttccccattc	300

<210> 1048

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1048

aattccgttg	ctgtcgggag	gtcggactca	ggaggctcct	tctccactcc	cggaagatca	60
tgtaccagcc	cagccggggt	gcggcccggc	gtctcggccc	ttgcctgcgc	gcctaccagg	120
ctcgacccca	ggaccagctt	tatccaggga	ctctaccatt	cccacccctt	tggccccact	180
ccacgacaac	cacttcccc	tcttctctc	tattctggtc	tcccctgccc	cacgccttcc	240
caccacagct	cttccccagg	ttccccact	acctctccct	cagatccagg	ccctcagctc	300

<210> 1049

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1049

aacaaaacca	aaaagatgcc	cctttttttg	tagggataag	aaatacattt	gttttatact	60
tctatgctat	attttgctat	tcaaaattta	gtgggcatta	cttaacattg	tttctaatta	120
ttttgtggct	gctgtatggt	ttatgtgttg	ggagccatt	gtattaggcc	gttcttggat	180
tgtataaag	aaatacctga	gactgggtaa	tttggttttt	tgggtttttg	gggttttttt	240
tgagacggag	ccttgctctg	tcgcccaggc	tggagtgcag	tggcgcgatc	tcggctctat	300

<210> 1050

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1050

aattccgttg	ctgtcgggac	atttagtctg	cctgggtttg	aatcctagca	ttgtcattta	60
caggtaagta	tcatcttggg	caatgcatct	ataaattggg	ataataatac	caaattggaa	120
caataatgat	aggttagtgt	taatgattaa	atcaataat	gagagtaaac	tcctggagta	180
gtgactgaca	catggcatgt	aataaacatt	tttctttcta	cgaggtattg	atatttatta	240
acctcttaaa	agcaatttgg	actccctttg	tctcttattg	tcctgtgaca	gttaccatga	300

<210> 1051
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1051
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 tatattttta acacaattgt aggcttctct tttgagaagg tagatttccg tgtgttatct 120
 gatcatggca gtgtctcaga aggctgagtg tctgccttaa gtttacgttg tcaacgcagt 180
 ttagagggtg aacatgtctg tggacatagt tgaactgggt ttttgaagat gtaattacca 240
 attacatca tggccaaatt ggaattatta tttttaattg gaattattat ttttaaaaaa 300

<210> 1052
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1052
 aattccggtg ctgtcggtgc agtggcacat acttgtagtc caagcttcag aaggctcaag 60
 tgggaggatc gcttacaccc aggagattga ggctgcaatg agctgtgata gtgccactgc 120
 actcagcctg aatgacagag ggacaccctg tctcaaaaaa aaagtcagtt tctcacttgg 180
 actaactact ttttaactgt taatagctgg tggctgccat actggacagc ccaagactag 240
 aggcctcaatg ggctgttctc cactctctgt ccaagggaac cttcctttat gtgctttttg 300

<210> 1053
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1053
 aattactagt gggggagtaa ggggacaggc cattgggcat actggagcag catttactca 60
 gtcattgaga aaaggatgga acattcaata aagggtgctg gacacatttg tgctctaaaa 120
 attttgtgtt tcacctatta atttatccct ccccttagcc cctggcaaac actgatctgt 180
 ttactgtctc catagttttg ctttcccag aatgtcacac ccttggaatc atacagcatg 240
 taaccttttc agattggctt cttttacgta gtaatatgca tttaggattc cttcatgcct 300

<210> 1054
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1054
 aattccggtg ctgtcgacac aatactcact gttgaaatac actggagaaa catatatata 60
 aagtgttaag aataaaatat gacccatatg cacaaaaccc aggcagatca ttcttcaagt 120
 gtaaaaggcca tggatagggtg ctcgcaagca tgaaagccct tggggaagat ggtgtccaac 180
 tttgggttgg ggcccggtggg aggcctgaaca aaacctagcc attggggagc tgggtgaagt 240
 cagagacagg aggactggta ggaaggagag aacctctttc cttatagaat gactaagcaa 300

<210> 1055
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1055
 aattccggtg ctgtcgagat ttactatta tacactaaat tttcaataat gattagaatc 60
 tgaaaaaatt tgaaattgtg aataaaatgc ttttaaacat tttatcaagc attacaaaag 120

tagagaatag tataatgaag caacaccaag cttcaacat tgatacatgg ccagtctttt	180
ttaatctata cccatccctc ttcagtcac ccccttccac cctaaattat tttgaggcaa	240
tatctctaaa agatgaggac atttttaaaa acaaatataa ttttattatc ataaataaaa	300

<210> 1056
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1056	
aattccgttg ctgtcggggg ctggtggcat aatcacaagc ctgtctgtct tcgagaaggg	60
acagtggagt catccagggg ctgccacatg acaggcacgg tgggcaccga tccacagtgg	120
gccccgcctt cccagctcg cctccctgcc tgtgctggcc tggccttgcc tgctggcacc	180
attggagtag gagggggtgg aacacagggg gcccatcctg atcaggcccc atctcaaggt	240
tggcactcct gcccatcacc cttagaagga tcttttccca tggcttgact tccttcattt	300

<210> 1057
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1057	
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aatcagtttg gggcctagac ttaaaaggga gcacgtggtt aggaaatctc attagctgac	120
aatttaactc cactctaata ctcgtccaaa gagcccgac aaagacttcc tctcctttcc	180
ctttgcagtt ctttctcctt gctcctctct tctccctccc cctcctaaac cagaaaggaa	240
aagcagcgtt gggcctgtct ccttccccc agattcctgc agttctagtg tgccgactga	300

<210> 1058
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1058	
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gaccatagca catccttgat ccttgagatt ttactattca acctgttttt ctgtttttgt	120
tggtgttctt ttcactccct gaaattagga gagtagtaca tatttgtgtc ttccacagac	180
gatacagact ttaagatgta gaagctcatg gttttataga tgaagggatt tggaaactctt	240
cccttcaggg tcaatgtact tgattgtctg aattaaactt gggtcccaag ttaataactc	300

<210> 1059
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1059	
aattccgttg ctgtcgaaaa aaaatttaat ttgaacactt ctgttttgtg cagttttctc	60
tggttatatt tactttttaa aaagaaaaag cggctgagcc accacgcccc gcctcacatt	120
tttattttaa aaacctctcc aggtgggagc cgggtggctca cgcctataat cccagctgtt	180
agggaggcag aggtgggagg acagctcgag cccaggagtt ccagatcttc tgctgggca	240
atataatata gcatgaccct gttctaaaaa aaaaaatctc tgaaaaagat gattcaaaaa	300

<210> 1060
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1060

aattccgttg	ctgtcgtgaa	aaaggaaaaa	tcacaataat	aaccacaaaa	gtacaaaaga	60
tcattacaga	ctattatgaa	cttccatata	cttacaaact	agaaaagcta	gaggaaatgg	120
atacatttct	ggaaagcaag	aaggaataga	aatcctaacc	aggccaataa	tgagtagtga	180
tattgaatca	gtgatTTaaa	aaatcttcca	ataagaaaaa	gccaggaccg	aatggagtca	240
tagccaaatc	ctaccaaaca	tataaggag	aactaatacc	aatcctcctg	aaattgtgcc	300

<210> 1061

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1061

aattccgttg	ctgtcggata	gggcaatcca	agagacatag	tcctaacc	agagtagcat	60
gtaatccctt	cttagcatcc	ctctttgaaa	actgaagata	gtacagctga	gggaactgaa	120
caggttccca	ggatcataga	gaatcattaa	gctgaagcaa	acaacaaaac	aaacaaaagg	180
caaactagaa	gaaaagcagg	attcaatggg	ttctgcacct	tcttagtcta	tcattgcttt	240
gtaaacattc	tccggtttta	cattactaca	gaatatggtc	cagatataaa	gttctactgt	300

<210> 1062

<211> 285

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(285)

<223> n = A,T,C or G

<400> 1062

aattccgttg	ctgtcgcaca	actggccagt	ggcagggcta	ggatttgaaa	gcagttcttt	60
tccatttttg	ttgttggtga	ctcaaagtca	ttctgaactt	tcagaattca	ggtgggtgat	120
gggggtgggt	gggggtgten	gtntgnntct	ntnttctctc	tttaantget	cttatcnnn	180
tannccatgn	atnannnctn	ctnnnnnnng	tcatctntnc	nntctannga	tttctttgt	240
nannaacttt	nnatcgnttg	tcnnatgann	ntnnntgttc	tatct		285

<210> 1063

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1063

ctctcccccc	ctccctctct	cttcccttcc	tctctcttgt	tgtaactggg	agtggaggcc	60
cactggctgg	ggagacatta	ggtgggtggg	cccagccga	cctccagggt	cttccctctc	120
cctagctggt	gctttggtct	ggccactccc	agcccccttg	tccccttgga	agcttgccct	180
gccctcatct	tgcccatgcc	ttctactgcc	aggagacttg	caccatttcc	aaccctaggg	240
cgggggcaag	tggggcaagg	atggaccagc	agaagggggg	taaggctctg	ttcacttccc	300

<210> 1064

<211> 290

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(290)

<223> n = A,T,C or G

<400> 1064

aattccggtg	ctgtcggacc	ttacctgtat	tcctgtgct	atcctgtggg	aaggtaggaa	60
tggtgctaagt	atgatgaatg	tataggttag	ggatctttng	gntntaaatc	ncagacaanc	120
taattcaaac	tggtttaana	tganaaggat	ttatngnttc	atgtaactag	aangatnnta	180
ncnngngttt	gnttcngnnn	aagantnnng	ccnccggngg	aattaccntn	tananccnna	240
ngganttnng	ntttaaannt	ngtgtnnnt	nagggtntg	nattaaaaaa		290

<210> 1065

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(300)

<223> n = A,T,C or G

<400> 1065

aattccggtg	ctgtcggagc	tcgtgagtgg	gcgcgcgcgc	caccgcccc	gccgcccgtc	60
tctcggtagc	agccttcgcc	acgccggggg	cttcagctcc	actggggcca	tgtagagcgc	120
agaagagcgc	cggtttggg	agatccctcg	ggagtctgtc	cggctgctcg	cagaggacgt	180
gtgctatcgt	ctgagagagg	ccacgcagaa	tagctctcag	ttcatgaagc	acaccaaacg	240
ccggaagctg	acggttgagg	acttnnncag	ggccctcaga	tgtagcann	agtaggctgt	300

<210> 1066

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1066

aattccggtg	ctgtcgccaa	ggtggatgta	gaagcgggct	ccggcgctcc	actctccctt	60
ccatatgggc	ttagcgtctg	ggcactgag	aacgacgtct	gaatagggcc	ctgggtcctt	120
gccatggatg	aatgtgggtc	ccgcacccgc	cggcgggtgt	ctctcccaa	aaggaaaccg	180
ccaagcttgg	ggtgtatctt	tggtcgctcc	accgtgggtc	agctcgagcc	cggagatgag	240
gggaaagagg	aggaggaaat	ggtggctgat	gaacaggagc	tggaaccg	cggcgctact	300

<210> 1067

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1067

aattccggtg	ctgtcgaga	acacctagg	cctagcataa	gccccacctc	ctccaggaag	60
ccacctgact	ccctccagca	acagctctgc	actttacctt	tgtattctct	cctttctgac	120
tatggtcagc	agacttctaa	gacggcccc	aaagattgcc	acctggtatt	catgtgctcg	180
tggtatctcc	tcctcttgaa	tgagctggac	ctagtgactt	ctagtgcaca	gaaatgtggt	240
gaaagtgatg	ggataacaat	ttccagatta	agttataata	gacactgtgg	gctgggtgcg	300

<210> 1068

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1068

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aattccgttg ctgtcggatc ttggagagtt tctcccaggc tccttgtaga ctgctccgct    60
gggtgtgggag aagccaaagg ggcaaaagctc aagacgggtg cctcctgggtg agggcagtta    120
cattggcata agttgtctag cataacttgt catgccgacc ccttttcaag atagcagctt    180
cattcactga taatgtggca gtgttccccct tcatcagtgg aagacatggg atgtgttcta    240
ggggaattta tagtacttga catgtatgag ggaaattcta ctatcaatta agtacaagag    300

```

<210> 1069

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1069

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aattccgttg ctgtcgggct gtacaaaagg tagacataat agtgagaagc cacctgagcc    60
agtcaaacct gaagtcaaga ctactgagaa gaaggagcta tgtgaattaa aacccaaatt    120
tcaggaacac atcattcaag cccctaagcc agtagaagca ataaaaagac caagcccaga    180
tgaaccaatg acaaatttgg aattaaaaat atctgcctcc ctaaaacaag cacttgataa    240
acttaactg tcatcaggga atgaagaaaa taagaaagaa gaagacaatg atgaaattaa    300

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<210> 1070

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1070

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aattccgttg ctgtcgacac tacacacaca tacacacaac acatacacac acacatacac    60
acacatacac atacatacac acatacacac acacatacac atacacacat atacacgctc    120
acagacacat gagtgaatct acatggaata tcccttgaat aaaatgcaag caattggtta    180
tagtgattgc cactggggca ggggaactagg aacttgatag taaggcttgg cagaaaaatt    240
actccttattc atacacagtt tttggtattg tttgagattt ttaaaatacc atacatgtat    300

```

<210> 1071

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1071

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acttcgattg aattcccggg gctgtcgatt tagttatttg aagagagggt ctcatttcct    60
agaaaaagata tgagaaaccc aaatagaaaa ttattagaga tctttgagac actctattta    120
cattctggac ctaatctttt tgaattgtct tatatgagtg agtactttgt ggcagaagat    180
ctagacattt taataaaaaca ttttaataca aatatctaga tatttttagat acatatttaa    240
gtatctaaaaa ttcagacagc caggggtggt ggccgtatac ctgtattcct agctacttgg    300

```

<210> 1072

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1072

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aattccgttg ctgtcgccgt tgctgtcgga acattcttcc ctggaaccag tgctccacat    60
ctttcttttc ctctgagagc tgcagctggc agggacctcc ctctgctgct cctccagcaa    120
gccacagagc ataccctcac gtgacaagag tgtggtagggt tttctcccca cttctcacac    180
acgcctggtg gttgtggttc catctgcctt gttggcttgc ccggggggat tcaacacttg    240
actttcaaat caaagaatgc taatgcttag cacttgctgt tgagcatgct ctaactttta    300

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<210> 1073

<211> 252

<212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(252)
 <223> n = A,T,C or G

<400> 1073
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 acaactcact gtacacttga gaataatacc tacagagggt catactgaag agtagtctca 180
 ataatgtaaa gaatttgaca agcatgatgc tattgaaata gttctgtcng aagnggtggt 240
 nnttcttctt tt 252

<210> 1074
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1074
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 gaccactgga agaagatgag ctcgagctat tggagtgaaga cgagcagcag cagctgtgga 120
 acccagcagc tcccagaggt gctgcagtgc cagccccagc attaccactg ctaccatcag 180
 tcaagccaag cccagcagcc tccagaaaaa aatgtagtgt atgagcgagt gaggacctac 240
 agtgggcccc tgaacaagggt ggtgcaggcc ttggacccct tcaactcacg ggaagtgtc 300

<210> 1075
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1075
 aattccggtg ctgtcggaag gagcaaaaat ccagcaacaa ttggccaaaa tacataataa 60
 tgtaagaaaa cttcagcatc aattaaaaga tgtgaagcct acacctgatt ttgttgagaa 120
 gctcagagaa atgatggaag aaattgaaaa tgcaattaac actttttaaag aagagcagag 180
 atatgaagag ctaattaaag aagagaagac aactaataat gaggttgagt ccatatcaag 240
 aaaaattgac acatgggctt tgggtaattc agaaacagag aaagctttca gagcaatctc 300

<210> 1076
 <211> 291
 <212> DNA
 <213> Homo sapiens

<400> 1076
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 aagaaaaatt aggtatgaat aaaaatttaa ttggaactga tatcacttcc cttaccattc 120
 acatgttaac taattgataa gataaaaatg tgtgtagta gaatagacta gatcgtatgc 180
 ctttttagat gaaaattata gaagatattt agtcatagta actacaaagg caaaataaat 240
 atcacagcaa aaccagtaat aggaatgctt gcagactttt tttttttttg g 291

<210> 1077
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1077

aattccgttg	ctgtcgggaa	gataggcaat	gccatttttt	tcaaattgtac	acatacacac	60
acacaataag	aaatgtattt	aataatacat	tttaccttat	tttcaaggct	tatcatgaca	120
gtaactattc	tttaaataat	aagaaggagg	aaggtaatat	tatgaattac	taccaccaac	180
agaaaataat	gctgttgatt	accattaaa	atggtacagt	agtatcattg	tctgttgac	240
atatagatca	gtttttttct	tctaaatgct	atttcaactc	tctattatta	acatatatat	300

<210> 1078

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1078

aatgggtatt	gtcttagtct	gtttgtgcta	ctgtaaaaaa	tatctgagac	cgggtaattt	60
ataaagagta	aatttctttt	tcacagttct	ggaggatggg	aggttcacga	tcaagatgct	120
gccaggttcg	gtgtctggtc	agggccaggc	ttctgcttcc	aggatggcac	cttgcattgct	180
gtctgttcac	atggtggaag	ggcaaaaagg	gggcctagct	tgctttctgc	aggcctctta	240
taagagcact	caaccatttg	tgatggcaga	gcctgtgtgg	cctcatcacc	ttccaaagcc	300

<210> 1079

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1079

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tcggtcaagt	cgctgcgctc	cgagcgtctg	atccgtacct	cgctggacct	ggagttagac	120
ctgcaggcga	caagaacctg	gcacagccaa	ttgacctcag	agatctcggg	gctgaaggag	180
ctcaaggagc	agctggaaca	agccaagagc	cacggggaga	aggagctgcc	acagtgggtg	240
cgtgaggacg	agcgtttccg	cctgctgctg	aggatgctgg	agaagcggca	gatggaccga	300

<210> 1080

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1080

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atgtactata	tatttagtta	cataaatact	gttcattaac	tttgaattga	gaaaatggat	180
accatttgca	ttgctattgt	ggctttaatt	ctgtgggttc	agatggctat	taaaattaca	240
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<210> 1081

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1081

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aagtaaatta	ttgtaggctt	ataaaattaa	gaaatctagt	ttttagtaac	ataatcattt	120
gtccctttta	aatttttaaa	cactctaaat	ctgaacataa	tagctaactt	aaaataagta	180
gcatttggat	tacattattt	ttgcagataa	ctgattatct	gtgtgaaatg	atttagtatt	240
ataaatgttt	tgtgataaag	tttatggtaa	agattgatta	tagttacctc	atttttatct	300

<210> 1082

<400> 1086

aattccggtg	ctgtcggcca	actgttttat	gtacttgaga	agcagggtgtt	aacttcctca	60
gttacaaatg	agaaaaccca	ggcttaaggg	gattgactca	tttgccaata	gtcatgcagt	120
taattgcgtt	tgttttgcca	cacagccact	gttctttaca	tagcaatttg	gtatatagag	180
aaaatatggt	gccatggtca	agggcacgac	tttgaggatg	gactgtctgg	cttcaaaaat	240
ctgatttcca	tcccttactt	attatgtaac	tttggccaaa	ttactgaatg	tcttaaccct	300

<210> 1087

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1087

aattccggtg	ctgtcgcaga	gacttgctga	aggattaaaa	ggattttctc	ttttggaaaa	60
gcttgactga	tttcacactt	atctatagta	tgctttttgt	gggtgcctgc	tgaatttaaa	120
tattttatgtg	tttttcctgt	taggttgatt	ttttttggaa	tcaatatgca	atgttaaaca	180
cttttttaat	gtaatcattt	gcattggtta	ggaattcaga	attccgcggg	ctctattact	240
ggccaagtac	atctttttctc	ttaaaattat	ttagcctcca	ttattacaaa	aaattataaa	300

<210> 1088

<211> 282

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(282)

<223> n = A,T,C or G

<400> 1088

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ncncannntg	cagncnagt	tntgcngctn	tgctgttngt	tcngntttcn	tccannnatn	180
ggcntcacn	tttggnncca	aaanggctgn	tgcnttccag	gcttnanntc	canactcaaa	240
cccanaaaan	ctgcccaccc	ntacctgggn	gaccttttgt	ag		282

<210> 1089

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1089

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ccaaacgctt	ttattggaga	accattaaat	taagaataaa	gttctaaatc	agtttctcca	120
attagttcta	ttatattcta	tagtatatat	actgtaattt	tgcatcccca	cgtgtgtcct	180
aataaagata	cctatagctg	aacagtttgt	agcatggaat	aaataaaaa	caaatgattc	240
gtgttataaa	atactaacad	cctttgtaaa	aacacaaaaa	tcttgtaact	atatatatat	300

<210> 1090

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1090

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ttccccatgg	aacaaatggg	atcaatttgt	gagttttttc	ctttaatgat	aactaaaaatc	120

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1082
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 actcaaaggc tgatttcagc tgagactgta gaccacgtgc ctacttgtgg cctccccctt 120
 tgccttgggt ttctcacaga atgtggctgg ttctggagaa tgagacttcc aatgaaatca 180
 ggtggaaatg acatctcgcc gctttcagca tgctctattg gttggaacag ttatggactt 240
 agctagattc aaaggaaggg aacaaagacc cctcctctc agagagtggg gcataatgag 300

<210> 1083
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1083
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 actttttccat aattgataga taatacagcc atgtctttaa gagaactctt acagagttaa 120
 ttattatata tggcaatatt aatagagaaa aatatttcat gtgattttta gagaacttaa 180
 gcatttgctt taaatgtttc ttaagcccta gaaatatagc tataatttca ttatttatcc 240
 tctcttaaac agatgattcc ctggtaaaga gaagaaaaac actgtataaa gtacagctgt 300

<210> 1084
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1084
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 ttgtgtgtgc caaggccaac aagtcaaaat atgttgaacc taatgatatg atgtgtataa 180
 aggggtgcaag gacacgtgga aatgatctgt aatattcggg ttattaaaaa tgtaattggc 240
 tgggagcagt ggctcacacc tgtaatccta gcactttggg aggttgaggc aggtggatca 300

<210> 1085
 <211> 293
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(293)
 <223> n = A,T,C or G

<400> 1085
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 gacaggagct tctcaatcaa aagaatagag aacaagaaga aattgtcagg ttaaaactcta 180
 aaaagaagaa tcttcatctt gagttggaag cactgaatgg caaacatcag cagatctcag 240
 gcagacttca ggatgtccga ctcaaaaagc aaactcanaa gactgactgg aag 293

<210> 1086
 <211> 300
 <212> DNA
 <213> Homo sapiens

cctctaattt	ctcatttatg	cttttgtctt	ttttatgaaa	tatttctttt	aaaagcccca	180
ggcttcacct	acgaaatatg	aagagcaaaa	gctgattttg	cttacttgct	aaactgttgg	240
gaaagctctg	tagagcatgg	ttccagttag	gccaaagattg	aaatttgata	ctaaaaaggc	300

<210> 1091
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1091						
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ggagaaggag	gagctggagc	tgctgaagga	ggatgtgcag	gactacagcg	aggacttgca	120
ggagatcaag	aaggaacttt	caaagactgg	tgaagaaaaa	tacgtggaag	aatctaaagc	180
cagcaagaga	ttgacaaaaa	gggtgcagca	aatgatcggg	cagatcgatg	gcttgatctc	240
gcagctggag	atggaccagc	aggctggcaa	gctggccccg	gccaacggca	tgcccacggg	300

<210> 1092
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1092						
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ttggattaca	tagtgacata	tattagcttt	tcgtccacat	ttgataacat	tgctaatatt	180
ttcttttttt	ttactgaagc	tctttgaatt	taaagttttc	tctcatttaa	atattattaat	240
taaaaacata	cctttactct	gttcccttta	gcatttcaac	ctgatgttaa	aagatgtgta	300

<210> 1093
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1093						
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atatacacca	aaaaagacct	tatcctggac	catagataca	ttttaacaaa	ttcccaaaga	120
tttatatttt	cagagactgt	tttctgaata	ataataataa	attagaagta	aaaaaaattg	180
gaaaattcct	aattatttgg	aacttaaaca	tcatgtttgt	aaatatccct	gagtgaaaat	240
aggtctaaca	aaaaatctac	taaaataagt	ctaataaata	aatttagaac	atattttgaa	300

<210> 1094
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1094						
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catcagtaaa	ggagaatatt	ttaaaaacct	ataaaggagt	ccttgacaat	actatctaaa	120
tctttttata	cattgataat	tttataatat	accctgtata	tattaggtaa	atgcctgtag	180
gtctccaaag	acctagaatt	gagaatcaga	gggtaaacat	ccaaacaaat	cccctagatg	240
tgggaaaata	aggaagtatt	cttatttcgt	cgtcatttat	attgaggtga	atcatgatgg	300

<210> 1095
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1095

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aattccgttg ctgtcgacaca gctcttggtc tccagacctg atgaggaaaa tataagttcc      60
tatttacagc tcatagacaa gtgtctaatt catgaggcat ttacagagac acagaaaaaa      120
agattgttgt catggaaaca gcaggtgcag aagctctttc ggtctttccc tcggaaaacc      180
cttctagaca tatcaggata tcgacagcaa agaaatcgag gctttgggca atccaactcc      240
ctccccgacgg ctggctctgt gggcggtggc atgggcagac ggaacccgcg ccagtaccag      300

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<210> 1096

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1096

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aattccgttg ctgtcgggaa attcagttac ataaataaat tacccaagtt acatacctat      60
atactgatag atttcaagtc atgttccaga aatcatgttt ctaactagta tgctacactg      120
cctgtctcga aaaaaaaaaa atagtaacta tgctctacac tacgcagtcc acttactatc      180
ccagttcctt attctccttt gctgcaaaat gtcttgaaag agttatttat gcctgctgtc      240
tgcagttaag ccatttcagg gggatggagg gcgcacaacc ttatttgaag tgggttgagg      300

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<210> 1097

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1097

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aattccgttg ctgtcgacaca gtttaaaaaa gaaattagtt tctcctaatt tgcacattaa      60
aagtagtaaa aatggccaat tttgttaaat cttgatcctt gagtacattt ttgtgtgtgt      120
gcattttttc cttgtaaaaa taatccatgg gagggcatgg tggctcatgc ctgtaatccc      180
agcacttttg gaggccgagg gaggtgggtg gatcacctga ggtcaggagt ttgagaccag      240
cctagccaac atggtggaac cccgtctcta ctaaaaatac aaaaattagc cggcagtggt      300

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<210> 1098

<211> 270

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(270)

<223> n = A,T,C or G

<400> 1098

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cttattggct cttttacetc ctacttttct cactccctat cagggatatt ttgggggggg      120
atggtaaagg gaanccncnn canannccct ggaactnngt tntnncngnc tcncncaann      180
ggnnccntng cnaccnngt acntcnaccc tannaanncn ntacagtnga aancaaccnn      240
nnccnennan cncccnncn cncnncnana                                     270

```

<210> 1099

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1099

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aattccgttg ctgtcgctca ttccaaggct atgcatatgg atgtcacatt cccatgtcaa      60
tcattctctg aaggtattat tcgcccagtt ttttaagcat gggaaactga ggcttagagt      120

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cttaaaaaat aagtagctgg cagtcctctca gcaaataatg atgggtgctgc actacagacc	180
cagatctgtg actccaaagt cagcctttgt tcttttcttc ttgttacttt taattggaaa	240
aaaattttaaa ttgcaaaaag ttgtagagtg ataaaaacaa aaatccacga atgctcttct	300

<210> 1100

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1100

aattccgttg ctgtcgcaga ataagcctat caaacatagg tcaaattggtt aaataaagaa	60
tgaaagcgta aaagccatag aagaattttt ctgttgtctt ggagtagaga gaccttccta	120
agtttgacac aaatcccaga agctataaca taaaagactg atacatttga caacatcaaa	180
atgagatcca cttcataaga gtaacactgt aaacaaagtc aaaagatata tgataatctg	240
agaaaaataa tttggaaaaa atatgataaa aggagttaat tttcttaata tactaagagc	300

<210> 1101

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1101

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aaagttctat aacatatctt cattgaacgt gtgatttttt ttaaagtata aatagcatat	120
tcatattttt gcaaattgct tgttttcagt acgcagcgtt ttgagagctg tgtatgttaa	180
tgcaagtgac tcccgaacag tgggtttgaa ttgctcaggc ccacttatac ctgactttta	240
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<210> 1102

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1102

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atagggtgtg tctctgcaag caattttatc tggaattgaa gaccactggt gttctgggac	120
aaagggtttt aaacagacag ggggtccaaat tctggctcta ccacttattg aggtgtataa	180
atttgaggaa gttactaaat gctctgaact tcagttttct ctggaaaatg ggataattat	240
gtctagcttg tgtggctatt gttaggatga aatgagatac aagtatgtag agtacctagc	300

<210> 1103

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1103

aattccgttg ctgtcgcttg tttgcaatag ctatcttccc actctcactt gaaccactc	60
caaccaggcc tcccacatct catgaacctg atcttgtcag agtcacaagg acctccacga	120
tctccacatt gctaaccaaa tgggtcaatgt tcagtcttca tcttattcag ctcacacga	180
gtccataact tctcttctct tgatgcatac tcttcaccta gcttccaaaa cctatacttc	240
tcttggtctt tctctgcctt accagtaatg ccttactggt ctggttctg gctccttctc	300

<210> 1104

<211> 282

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(282)
 <223> n = A,T,C or G

<400> 1104
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 atgccttggt tccatttcag ttgttctttg agagacagaa tgatgtacta accattcgtg 120
 attattagag atagggatgg gtcagggctn agntanntgn cngncttntt gtggntgggt 180
 ggncnttga ncnatctna gngctgtntg tgnnngtact nnntnggtgg ttaatntatc 240
 catgctgcna nggctgtcan ggantngnta agcgaatttc ta 282

<210> 1105
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1105
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 ctccaagtcc cacagggcaa tactggcagg cccaggaaag tgttacacac tgcagggttg 120
 catgacggct aaggaaccac aatcttaggg agatactatc tctgtcttct aaggccattt 180
 gctgtacaaa aatccttgaa atacctgggc acagtggcac acctataatc ctgaccttt 240
 gggaggctga ggcaggcgga tcacctgagg ttgggagttc cagaccagcc tgaccaacat 300

<210> 1106
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1106
 cctaacttcg aaaccgcta cttgttcttt ttgcaggatc ccatcgactg ggagcccggc 60
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 cctacccac cccactccca gacagagcag aagtattttt ataagcagag aattttttat 180
 gtcttaccag atagagttgc aggggaagggg gggcctgctg gggagtggg tttggggggc 240
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<210> 1107
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1107
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 gcaagcttgt ggaagaaacc accaagaaac cagctcttga gacttccagc atttgttcca 180
 gttcctctgc aagggaacc cccattccct gctctctctt ttccctctcc tcacaggcag 240
 caggatatgt cacagacagg cctggagctg ggctagggtg ggagtccct gtgaggctcc 300

<210> 1108
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1108
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 tgacatcagc aaatcaaatt tctctatcta attaaaggaa aaccctttct cttatttctc 120

ttctcttttc ctctctctct cctctctctc tatttcccct ctccttatcc ccttgctctc	180
ctctctctgct ctttctctac ttcctcttct tctttttttg atatatttct atcatatatt	240
ttcagaaata attcagtggc atctcatgta gatgtaccac tttcttattg caactcagag	300

<210> 1109
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1109	
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tagagatgga cttgggccac agtgccttcc atgacttcag taaacagagg ggtgtgtgga	180
tcttgctaaa gtcctggcgt caatgtcagt gtccggctac acaccatgtt cccgtctctg	240
aaaagcctct ctgtaccctt ctatgttggg gacacaacc tggcaaatgg ccacagactc	300

<210> 1110
 <211> 292
 <212> DNA
 <213> Homo sapiens

<400> 1110	
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ctgtgaaatg gacaggtggg aaaacagcta cctgctggcc tgcccaggca cccgccacgg	120
gcccacgtg ctcagcttct caatgtgaga ctgtccacac ctgagagggt tgctaaaggt	180
gcagggttagg tggactgacc ccaggacctc cctgacccc aaccaggcca gcggaagcct	240
gccacctctt atgtgcggac cacaccagc attggcctag ggggcggatt gt	292

<210> 1111
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1111	
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ttttgctagc aaaatgctgt aagatttata ccattgatct tttttgctat atttgatac	120
agtacagtaa gcacaattgg cactgtacat ctaaaaatat tacagtagaa tctgagtgtg	180
atatgtgtaa ccaaaatgag aaagaataca agaaatgttt ctggagctag ttatgtctca	240
caattttgta gaatcttaca gcatctttga taaacttctc agtgaaaatg ttggctaggc	300

<210> 1112
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1112	
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tgggtcccagc tacttgggag gctgaggtgg gaggatcact ggagcccgaag agttcaagcc	120
cacagtgatc catgattgca ccactgccct ccaggcctgg gcaacagagt gagaccctgt	180
ctctaaaaaa gaagaaatga ttgaaatcat atttttcagg ctggacttcc aataaagtag	240
cccttaaaaag gatcattctt aaaatattag ccatatacaa tggtcataat aaatgtatgt	300

<210> 1113
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1113

aattccgttg ctgtcgcata tcagtaaaga agtaaacaag aataaaatac atgctaaaat	60
gtcatacact ctttttggtc taacattttg atttggcaga gccaatacc acctatacta	120
caactttctt atgccagcac aagaatgcta tattcaaaat gctttccatg tattaccttc	180
ttttatcctc agatatcctt ggagatagt agggcagata ttacctcat cttattgaag	240
aatattctgg gtataaggaa gtcaataaac ttgtcaacag ttacaagggt atgaggtaaa	300

<210> 1114

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1114

accattgaat acccgctact tgttcttttt gcaggatccc atcgatctga aagcggggcag	60
cactgtcatt catagccaaa cagtcctatt gagaggctct ggactatcag gccagctgtc	120
agaccactcc atgactggg tgtgctctgt tggtcaggga ctgggaggga aactacctct	180
ccttccctta accaagcatg aattatgttt gttagcaaac ctctctggga atatatgtca	240
agccacattc ctctggggc agctgcaact tcaggggcttc acaataaaca gttctgaaaa	300

<210> 1115

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1115

ggcacacatg gccaccatg cagggccaca caaagaagca ccgggggttg tcaggaggcc	60
gagggaaact ttattgtcga ttccaagaga aagaatgggt gagagagagt agtatgaata	120
agtgtagtgg gatctgggag ggaggagctg tccctaatta tctggtgtct gcccggggat	180
tggttaagtc aggggacagg gaccaggaca tgagagcctg aaggacctg ttggggtgtg	240
agcttttaggt gcgttgcttt gcatacgaag ggtacctgga agatgagttg tttgtctct	300

<210> 1116

<211> 291

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (291)

<223> n = A,T,C OR G

<400> 1116

catgccgatg ctgtccatgg gtgccaagca agccagtttt ttggttccct gagggaaact	60
gacctcctc tcttgtggca ccaccagcc tcagggtctt ggagacttga gtaagaatgt	120
gagtggaggg ggagngnatn tcttaagggg gnggacccca annccctgag gaacatgcnc	180
ttngnnaaga agncaanann nagggccttn anangangca tgcnanantg ccnagggtcat	240
gantgcnant gccgangtat gangnacntt ntnanacnnt gnnaggaggc a	291

<210> 1117

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1117

actctagaat acaagctact tgttcttttt gcaggatccc atcgacagat cctggtagcc	60
cctgcccgcg ccgatataat gctttttcgc cccctggga cctcggactt gggttccct	120

```

ttggacatga ccaacggggc agccttggca gccaacagca atggcatcgc cggcagcatg 180
cagccagagg aggaggcagc tcggggcgct ggtgcagcca ttgcaggcca agcctctttg 240
cctgtgttac ctgggggtga ccgcttgccc atggtggctg gaccctatcc ccccaactgc 300

```

```

<210> 1118
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 1118
aattccgttg ctgtcgttca ttgcaccaa gcaatacctc tatgtggctg acctggcacg 60
gaaggacaag cgtgttctgc ggaaaaagta ccagatctac ttctggaaca ttgccaccat 120
tgctgtcttc tatgcccttc ctgtgggtga gctgggtgac acctaccaga cgggtggtgaa 180
tgtcacaggg aatcaggaca tctgtacta caacttcctc tgcgcccacc cactgggcaa 240
tctcagcgcc ttcaacaaca tcctcagcaa cctgggggtac atcctgctgg ggctgctttt 300

```

```

<210> 1119
<211> 297
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (297)
<223> n = A,T,C or G

```

```

<400> 1119
aattccgttg ctgtcgttca attgttctct ctcaagttc actgattctt tttttcttcc 60
tgtctagatc tgcctttcag tctctctagt ggatttttaa ttctatttat tgtacttttc 120
ggcttcagaa tttttgtgtg tatcctttta ggttttcatt ctctgtgttt ctcttactct 180
gttgcttttt tttttttttt ttggggggccn nnnttngngg nnaaggngga ncnaaancnc 240
ngggnnnaaa nnanncnnc nnnccaantt ncnggggaac ngggancnga attggcc 297

```

```

<210> 1120
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 1120
aattccgttg ctgtcgcctt gaatatgtaa aaatacctat catatcagtg taatactatc 60
ttaacaatcc taaaaaccag gaaagaaaag caaaatacag ccaaatacat gtcaagaatt 120
cttggaagg ctgggtgcag tggctcctgc ctgtattctc agcattctgg gattacactt 180
gagtcaggga gtttgagacc agcgtgggca acatggcaaa acctcatctc taaaaaagg 240
acaagaaatt agcaggcatg gcggcgctg cctgtagtgc cagctatttg ggaggctgag 300

```

```

<210> 1121
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 1121
gtggttcttg aagaggacct ggacattgct gtggattttt tcagtttcct gagccaatcc 60
atccacctac tggaggagga tgacagcctg tactgcatct ctgctggaa tgaccagggg 120
tatgaacaca cggctgagga ccagcacta ctgtaccgtg tggagaccat gcctgggctg 180
ggctggggtg tcaggagggt cttgtacaag gaggagcctg agcccaagtg gcctacaccg 240
gaaaagctct gggattggga catgtggatg cggatgcctg aacaacgccg gggccgagag 300

```

<210> 1122
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1122
 aattccgttg ctgtcggcca ctgcgcacgg cctggggagg ttttatttct tgacaaagggt 60
 atttgatact cgtgcagtcc ctggagggtc tcaactggaga gacaacattt aggcctgagat 120
 ctgattaaca ggaggcagct gcagtgcaga ggtcaaaagg gaggggtgttc caggcagaga 180
 aaacagcctg tgcaaaggcc ctgaggcaga aacaaactct acttgaggtc agcctggtta 240
 gaaagcccaa ctcaaaatag aaagtattac atgataagggt ctgaggcagg ctggacccag 300

<210> 1123
 <211> 283
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(283)
 <223> n = A,T,C or G

<400> 1123
 aattccgttg ctgtcgatgt gttccctaca aatctcatgt tgaaacgtaa tccccagtggt 60
 tgttgagggt gaggcctggt gggagggtgat tggctcatgg gggcatatcc ctcataaatg 120
 gcttggcgct gtccttgcaa taatgagtgc attttcactc tatgagttca catggatttg 180
 gctgcttaaa agtgtatgga tttcttacct gctgttgctc tcaccntgcg atgcnnttag 240
 ttccttcttt gcttctgccc ttgngtaaaa actccttgag gcc 283

<210> 1124
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(300)
 <223> n = A,T,C or G

<400> 1124
 gtgagagaat tgttgagacc aactaccaca tatcattgag ccagctctt gggagcattg 60
 agatgtatag ctccagggtta cacagttcca aatcttggga aggggctttt cagacagact 120
 gtttgctttc tgctgagata aggaatgcat cactctgcca gagtatgact ttttacaatg 180
 agacatatgc agctttattt aataatctgc atatgtctca ttgtaaaaga tgaanntgan 240
 nnanacatgn aacaaacann gaaaanatnn gnnnnncngtn aaangttaac ggaccatgca 300

<210> 1125
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(300)
 <223> n = A,T,C or G


```

<400> 1125
aattccggtg ctgtcgctga cttgcttgag agttctgtca gacttttctt tttaaaaatt    60
taacatgatt gctttttctca attttgaga agatgtttaa atagttctgt tgtaactttt    120
aatagttttg tgtatcattc aacttttttt cttgcagcac cgaggcacat ttgaaaagat    180
ggaacngaag tcnngntggt taccgctggg ngaatataa nagcantttc agctgtgcgg    240
taatggcnaa ntngnnnnct tanctctgcg nngtctngct ctagagatac nacttttgac    300

```

```

<210> 1126
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

```

```

<400> 1126
aagtgtggc aaaggaaact atacttttca tttttaaaaa tgtaaataga aaagttttta    60
acgggcatat nggncaaaag natacgtttt aacgattttt aangatcaaa atgtggcacn    120
gctggtacnt tttatcttgc tgactgcncn catatttnn nagcannctt nctgtncnaa    180
gnatgacttn accggctctn taactangat atacttcngg gggganaaag ctgtgatact    240
atagctaata aatnccact anagngacac tgaagattta aacacaagca ttcataagat    300

```

```

<210> 1127
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 1127
aattccggtg ctgtcgagcc caggtcccag cggaatgggc ctctctgttc agtaggatcc    60
ccctcctgct gagtggttca tggcatgttt ctgttcaacg cttttccatc tgtaggatcc    120
ttattctgta tttatttggt tttttgggtt tttttatttt ttgagatgga gtctcgctct    180
gtcgccagg ctggagtga gtggcacgac ccagctcgc tgcagcctct gcctcccagg    240
acgagggaga tctcccacc tcagccttcc acgtagctgg gactacaggc atgcaccaca    300

```

```

<210> 1128
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 1128
gccctgtttg cctataagat gtcacggtg cagatgatgt ttgggggtcaa tttcttctcc    60
tgectcttca cagtgggctc actgctagaa cagggggccc tactggaggg aaccgccttc    120
atggggcgac acagtgagtt tctgcccac gccctgctac tctccatctg ctccgcagt    180
ggccagctct tcacttttta caccattggg cagtttgggg ctgccgtctt caccatcatc    240
atgacccctc gccaggcctt tgccatcctt ctttctgccc ttctctatgg ccacactgtc    300

```

```

<210> 1129
<211> 261
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(261)

```

<223> n = A,T,C or G

<400> 1129

aattccggtt	ctgtcgatga	aattcagtat	aaaattgaat	agaagtaatg	ttaatggata	60
atcttgcctt	attcctggtc	tcagagagga	agttttttaa	tatttaatat	gacatacatt	120
gtttgattgg	gactantcag	caaaatcctt	tatcagattt	attaagctcc	ctttgtttnt	180
taatttatta	tgttcntnn	atttntgant	ntgnatngan	tttatcnan	atattctgtt	240
aatnannngt	ntttncnnn	a				261

<210> 1130

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1130

aattccggtt	ctgtcgagaa	atggaagaac	gtgaaaaaag	aaagataatt	gctgaagaaa	60
agcacaagga	atgggttcag	aaaaagaatg	agcaaaaaag	aaaagaaaga	gaacaaaaaa	120
ttaataaaga	aatggaggaa	aaagcagcaa	aggaactgga	gaaagaatac	ttgcaagaaa	180
aagcaaaaga	aaaatatcaa	gaatggttaa	agaaaaaaa	tgctgaagaa	tgtgagagga	240
agaagaaaga	aaaggaaaaa	gaaaaacaac	agcaagctga	aatacaggag	aaaaaggaaa	300

<210> 1131

<211> 256

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(256)

<223> n = A,T,C or G

<400> 1131

aattccggtt	ctgtcgagct	gcaccatcac	tgcgtatccc	tgtgactcct	accaggatta	60
taggaatggc	aagtgtgtca	gctgcgggac	gtcacaaaaa	gagtcctgtc	ccgnttctgg	120
nctattatga	tncagttggn	aagncngttc	agccnnaagt	gcctaataag	nnngcnancn	180
cncattaaat	gcnttgcgct	nnctgcncag	ctnagcaagc	ngntaacntg	acntgccanc	240
tgatnaaatg	aancng					256

<210> 1132

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1132

aattccggtt	ctgtcgacac	attcgggctt	tagaaaagga	ggaagaagaa	gaaaaacaga	60
agagtttgct	gagagaaagg	agacgacagc	gaaaaaatag	ggaatcttct	cagatatttt	120
tagatgaatt	acatgaacat	ggacaactgc	attctatgtc	atcttgatg	gaattgtatc	180
caactattag	ttctgatatt	agattcacta	atatgcttgg	tcagcctgga	tcaactgcac	240
ttgatctttt	caagttttat	gttgaggatc	ttaaagcacg	ttatcatgac	gagaagaaga	300

<210> 1133

<211> 265

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(265)
 <223> n = A,T,C or G

<400> 1133
 aattccggttg ctgtcgcaag gtggtacctc tatgaggctg caagaaccac aacgtagata 60
 cagtttagat ggtaataccc aagtccttta aaatatttgg aangcccaan aaggatggaa 120
 tncanataat nctcanatag tgaananaan cagtnnannn nntncnntan tatatntnt 180
 gnnattcttt ntngcaacnn nttcnctctt tncntnnata gnaaantnnc tatangnttt 240
 nngttntna tannnnntaa tnatt 265

<210> 1134
 <211> 293
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(293)
 <223> n = A,T,C or G

<400> 1134
 aattccggttg ctgtcgcttt gcaacctacc tgacctggc ttgctgttct ggaccagga 60
 ggcatttccc ctggaacctg attctctga ccgtctttac cctgtccatg gcctacctca 120
 ctgggatgct gtccagctac tacaacacca cctccgtgct gctgtgcctg ggcacacgg 180
 ccttgcctgct ctcagtcacc gcttcagctt cagaccaagt tcgacttcac ctctgccag 240
 ggcgggcttt tcgggttttt natgnatttt ttcttnang gaattnatct ggc 293

<210> 1135
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(300)
 <223> n = A,T,C or G

<400> 1135
 ttgaaccccc caatagagct cttgtctttt gtttgaaccc ntgattcgaa ttcggttgc 60
 gtcgctagcc acatcaccaa ataagtgaac aaacaacagc gacaaatcct ggagtagaga 120
 gtatcgttat ccagagctgc agcagtgtag tacctaaaat gttcagtgc gtaaaaatga 180
 gacatgcaaa gaaataggaa catgtgattc atacacagga aaaaagacta gaaattacct 240
 tgataaggac cagatgttga tcttagtgaa caatgacttc aaagcagcta ttataagtat 300

<210> 1136
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1136
 aattccggttg ctgtcgaaag aagtatgact gttagtactt ctcaggaccc atcttttctca 60
 ggattaaacc aggtctgaaa ctgtctccta ttccaacctc aatcccaaat tcatgtgctt 120
 ttctttttta ttgttttatt ttgatgattt ttgttttgtt ttaattctgg agaattaga 180
 tcttgctcaa gcacctctta cgttggcatt attcagacat acttggcaaa cataacatta 240
 ctaagatatt tctttgtggc ttttgcttaa aacttataaa gtttagaaaa aagctaaatg 300

<210> 1137
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1137
 aattccgttg ctgtcgggtt ctccgtgttg cccaggctgg tcttgaactc ctgggctcaa 60
 gcaatccgtc cgttttggcc tccgaaagt ctgggatttt aaaggcgtaa gccactgcac 120
 ccggttaact tgggttcttg aattcccttc ctctcttct tctctctccc ctacactcca 180
 ttagagaaag ggtcttgctt tgttgcccaa gctggagtgc ggtggttggt cacaggcatg 240
 atgatcactg cagcctgggc tccagtggtc cgcatacctc agcctgccag tagcaatttg 300

<210> 1138
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1138
 aattccgttg ctgtcgggga agtccaagat tgaggggcca gatctggcaa gggcttcctt 60
 gctgcatcat cacatggcag aaggcatcat atagcaagag agcaggcagg agatggatgg 120
 caatgggggc caaacgcgct tttataacaa acccactccc ttcataaagg acagtccatt 180
 tatgagggca gagcccccat gacctaaca tctccattg ggcccatctc ccatcactgt 240
 tgcattggag attaagtttc caatacatga attttgggtg acacactcaa atgatagtat 300

<210> 1139
 <211> 293
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (293)
 <223> n = A,T,C or G

<400> 1139
 aattccgttg ctgtcgggaa tgaagatgat gacgcctcct tcaaaattaa gactgtggcc 60
 caaaagaagg gngaannгаа tgancgagag agaaanaaag cnagatgaag aanaagcgaa 120
 nctgnnggaag ctgaaanaac tnagacgagt tagaancngg tnanaaggat cagagtaaac 180
 naaaggatc tcaaaggaaa tttgaagann aaactgtnta atccanagtg actgttgata 240
 ctggagtaat tcttgctctt gaananaaag cnnanactcc cacagntgca caa 293

<210> 1140
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1140
 aattccgttg ctgtcggctt gaagtatgga aaaactgggc ccagaccaag aatgctgaac 60
 tagagaagga tgctcagaac agattggcac ccattgggag gcgccaactg ctgcgattcc 120
 aggaagatct catctcctct gctgtggcag agttgaatta tgggctctgt ctaatgacac 180
 gggaagctcg aaatggagaa ggtgaaccct atgaccaga tgtgctctac tatattttcc 240
 tgtgtattca aaagtatctt tttgaaaaat gaagggtaga tgacattttc tccgatcttt 300

<210> 1141
 <211> 291
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(291)

<223> n = A,T,C or G

<400> 1141

aattccggtg	ctgtcgggtg	tggcgcgcac	ctgtagtccc	agctacttgg	gagactgagg	60
caggagaatc	gcttgaaccc	aggaggcaga	ggttgtggtg	agcggaaatc	atgccattgc	120
actccagcct	gggtgacaga	gcaagattct	gtctcaaaat	aaatacatat	atacatatat	180
acatacatat	atacatatat	acaactttgt	tttttctttt	ctttcttttt	tttttttttna	240
anggnaaang	caccaccant	naaaaaacn	ttaccgaaan	ggnaaaaaaa	a	291

<210> 1142

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1142

aattccggtg	ctgtcgggca	gtggtttctt	agatgttgac	acaaaaagca	cacgtggcaa	60
aagaaaaagc	aaagtcaaca	ccatcaaaga	tgaaagtgtt	cgtgcttcag	ggaacactat	120
caagaaagtg	aaaagacaac	ccaagaatgg	gatagtattt	tgcaaatcac	atatctgtta	180
agaatcttgt	atctattcta	gctataggac	tcttacaact	taataaaaaga	gaaaacccac	240
ctgggtgcac	tggctcacgc	ctgtaatccc	agcacttttg	gaggccaggc	ggacggatca	300

<210> 1143

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1143

aattccggtg	ctgtcggcac	cttcgtgtcc	cactactcga	gccacctgaa	gcggcacatg	60
cagacacaca	gcggagagaa	gccgttccgc	tgtggccgct	gcccctacgc	ctcagcccag	120
ctcgtcaacc	tgacacgaca	taccgcaccc	cacactggcg	agaagcccta	ccgctgtccc	180
cactgcccct	ttgcctgcag	cagcctgggc	aacctgaggg	ggcatcagcg	taccacgcga	240
gggcccccca	ctcctccccc	tactcgagcc	acctgaagcg	gcacatgcag	acacacagcg	300

<210> 1144

<211> 290

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(290)

<223> n = A,T,C or G

<400> 1144

aattccggtg	ctgtcggcag	tgagtacctg	caaaaatgag	ttgtcacaga	aattatgata	60
ctctatttcc	tgaacctgga	aatgatgttg	gtccaaagtg	cgtgtgtgta	tgtgtgagtg	120
ggtgcgtggn	atacatgtgt	acntatatgn	ataaanacna	tnnacnntan	atctaactna	180
tnancncnnc	ctnctncntc	cccttcncac	gnacngccnt	ntnnnnccctc	agnatecnnc	240
tcagcctnnc	centnatgca	tcncatgccc	gctcagttnt	tnctccctc		290

<210> 1145

<211> 296
 <212> DNA
 <213> Homo sapiens

<400> 1145
 aattccggtg ctgtcgattg atagaactac ttgaaaaca attcagtggg cttatttttg 60
 ggtgattttt caaaaaatgt agaattcatt ttgtagtaaa gtagtttatt ttttttaatt 120
 tcaagtgatg taatttaaaa cctaagttgt gtttcaaaac agcaccaaaa ctgtattgta 180
 ttttttttgc tgaattaac tgtataatgt aaacctaatt attttatcat ggtttaaatt 240
 ttttgcataat ttgcttaatc ttatgctgct gattcttcta actgaatttg cagatt 296

<210> 1146
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1146
 aattccggtg ctgtcgggtga aagtgtacta aaggaagtat accaagcctt taatcccaaa 60
 gcagtgggtct tacagctggg agctgacaca atagctgggg atcccatgtg ctcccttaac 120
 atgactccag tgggaattgg caagtgtctt aagtacatcc ttcaatggca gttggcaaca 180
 ctcatatttg gagggaggagg ctataacctt gccaacacgg ctcgatgctg gacatacttg 240
 accgggggtca tcctagggaa aacactatcc tctgagatcc cagatcatga gtttttcaca 300

<210> 1147
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1147
 aattccggtg ctgtcgggga agttaagact tataatcacc catagctttc aaacagaaca 60
 cacatagcat ctccaccttc attaccacca tcaccaccac caccacctcc atctccacct 120
 gcaaccccg cactaccacc atgaccacca ccaccatcac tgccatcacc atcattacca 180
 tcacctccac ctctaccttc aacatcacca tcacaatgac caccaccatc accaccagaa 240
 aactgaata aaataatgaa agtgcagcct taggctgggc acggtggctc acacctgtaa 300

<210> 1148
 <211> 285
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(285)
 <223> n = A,T,C or G

<400> 1148
 aattccggtg ctgtcgatgt tggggctggc aaaacgagtc ggtgcccgtc tgctcctggc 60
 ctccacatcg gaggtgatg gagatcctga agtccaccct caaagtgagg attactgggg 120
 ccacngaat ccaataggac ctnggtcctg ctacgatgaa ggcaaacgtg ttttanannc 180
 catgtgctat nctncttga antttanngc gtttatttnc tannnttttn ttanntttna 240
 nntnnnnatn ncanntnnac tnatnnntgn agnatntgtc tttat 285

<210> 1149
 <211> 280
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(280)
 <223> n = A,T,C or G

<400> 1149
 cgccgcgagg aatttttcca gtcaaaagca tattcgaggg actaaaagga catcaagagg 60
 gatacttcag tcaaatgata atcagctatg aaaaaatacc ttcttacaga aaaagtaaat 120
 ctcttactcc acatcaaaga attcataata cagagaaatc ctatgtttgt aaggaatgtg 180
 ggaaggcttg cagtcatggc tcaaaacttg ttcaacatga gagaactcat acagctgaaa 240
 aacactttga atgtaaagaa tgtgggaaga nttatttaag 280

<210> 1150
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1150
 aattccgttg ctgtcgcaag ttttcacaag aggcgggca tgggtggctca cgcctgtaac 60
 cccagcactt tggctattgt tttttgttt ttttaatttc ttgtagatac gaggttttgc 120
 tgtgttgccc aggctagtct cgaactaact cttggcctca agtgatcctc ctgcctcggg 180
 ctctgaagt gctggatata cagtcgtgag ccaactgtacc tggccagaac tcctcttcta 240
 gggggaagtc aaccacaatg taggaagtca gattgtccca agtccactat gctgtaagga 300

<210> 1151
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1151
 aattccgttg ctgtcggcag gggcctcccc ggtcgcccca gcaggcccag gcacataggt 60
 gccagagat ccctggcttc tgatcgcccg gaagactaag agctttagt ttggtccaga 120
 aagcattttc aaggagctgg tcaagcatgg ctttagcaga taagagactt gagaacttac 180
 agatctacaa agttcttcaa tgtgtgcgga acaaagacaa gaagcagata gagaagctga 240
 ccaagcttgg ataccctgaa ctaatcaatt atacagaacc cattaatggg cttagtgtt 300

<210> 1152
 <211> 272
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(272)
 <223> n = A,T,C or G

<400> 1152
 aattccgttg ctgtcggaga tgtggaatga ggctgagaag caactgcaga acagcttgat 60
 ggacttttga gaaccgtgga aaatgaaccc aggagatgga gcattttatg gccctaaaat 120
 tgacataaaa atcaaggatg ctattggcag ataccatcaa tgtgctacaa ttcagctgga 180
 cttccaactg cctattagat ttaatctcac atatgttagt aaggatgggg atgataagaa 240
 gagacctgtg atnattcntt canctcattt tt 272

<210> 1153
 <211> 262
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(262)

<223> n = A,T,C or G

<400> 1153

aattccggtg ctgtcggctc cgaggaggaa gaagctaact attggaaaga tctggcgatg	60
acctacaaac agagggcaga aaatacgcaa gaggaactcc gagaattcca ggaggggaagc	120
cgagaatatg aagctgaatt ggagacgcag ctgcaacaaa ttgaaaccag gaacagagac	180
ctcctgtccg aaaataaccg ccttcgcgatg gagctggaaa ccatcaagga gaagntngaa	240
gagcannctc tgaaggntac cg	262

<210> 1154

<211> 272

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(272)

<223> n = A,T,C or G

<400> 1154

aattccggtg ctgtcggaaa gggttatcaag acacagaact tggcagctct ccttcgatcg	60
attgccagac gtccaaaggg gcagcaacta gcatgggatt ttgtaagaga aaattggacc	120
catcttctga aaaaatttga cttgggctca tatgacataa ggatgatcat ctctggcaca	180
acagctcact tttcttcena ggataanttg cngangnta tctatTTTT tgaacntct	240
tgaggctcnn ngntnntaat nttnatattt tt	272

<210> 1155

<211> 288

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(288)

<223> n = A,T,C or G

<400> 1155

gctgcaataa acaagttaac aacaacaatt gcattcattt tatgtttcag gtccaggggg	60
aggtgtggga gggttaacccc nccccccnc nancgcctt nctncncac cnaccctacc	120
acnccntecn cctcctccc ttctcgnncn nccccctc ctccntatt cccnccnncn	180
tcccttnncc caatcnccg nacttgnnc ncngecnan nnnctectn tccnccnncn	240
ntcatctent cccccctn cctctncnt aacncccc tctccaat	288

<210> 1156

<211> 292

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(292)

<223> n = A,T,C or G

<400> 1156

```

aattccggtg ctgtcgtgcc tccaagatgg tgagtcttct tgcgtggtga ggggtgggggt      60
tcgggtgcan antatnatan agtgaccnta tnatacnntg angacnnccn agagactctc      120
acnncan can cagttccagg cnttcaaacc gaanacaatc cannaaaagn ggaacatacn      180
gaanaacntt ctantataac nnaactantn actactnata gaaaatattc ntgactaggt      240
cccncanac cttctnactt ccnatanaaa nagagagntc ttaaccttta aa                292

```

<210> 1157

<211> 262

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (262)

<223> n = A,T,C or G

<400> 1157

```

aattccggtg ctgtcgggcg ctttcaactg tactgctgca gctttaagta ccttaaagct      60
tctcctgtga acttcttagg gaaatgtag gttcagaact aaagtgtttt ggggtgggtcn      120
tatttctttn aattntctat nnatnncnct ntanananta aanttaantt annaatctnn      180
cngtntttan ttanaanatn nantnttntn atctccnngt antatanntt tnnntnncata      240
tgttnnatann ntaanntanc ga                262

```

<210> 1158

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (300)

<223> n = A,T,C or G

<400> 1158

```

aattccggtg ctgtcggtag gattataaat ggtttaaaat acgtattctc aaacctcatt      60
ttcagcatat aaatttttaa gaatcagtgt ttaaaggtag gtgaaaccat ttgctagatt      120
tttgtcctag tttttttttt ttaatttaaa aannttannt gttttttaga nannttnnaa      180
tgnccntgcc tcaactggcna aacgcnttca gngnnggac nactgtttaa gangatctcc      240
gggaanaagc cctnanantt tganagggac tgnntnggt gttcnatnct nccccagttt      300

```

<210> 1159

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1159

```

aattccggtg ctgtcgca cagccctct gcaaagggtg ggaaacttgc aaggaattta      60
aggaatctc tgttcagtca ttagccagcc actaaactaa ctgagcagat ccttcagtga      120
tcacacacaa caaagaatac agactttaca gacttagtcc tagaaaaatca ctacacaaac      180
agcaacaaca atgcacctgg gactaaggga gaggagatga gttccagagt tggatatatta      240
tttaaatgtc tagttttcaa taaaaacaat tataagacac agagcaaaac tagaaagtat      300

```

<210> 1160

<211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(300)
 <223> n = A,T,C or G

<400> 1160
 ctggtgtag gggtcttggg ttttgggggt tggcagagat gtgtttaagt gctgtggcca 60
 gaagcggggg gaggtgtggg aggtttaant cnnccacnac catattcna acnnngttn 120
 anccnnttct tnnacnaan cctatatgtg anccancct ntgnacnngn cntncttgan 180
 tcacntnaca tgttancct ncnaccncct acncatanca ntncnttanc ntntancnc 240
 nttacttntt nctnccacc ctgnnncnna ctnnccacn nttcagncct tattctctcc 300

<210> 1161
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1161
 aattccgttg ctgtcgataa aatgggaatc ttcttggtat tttatgtgta ttgtaagtag 60
 cagttaaatt atttttttaa aagcaatttc agttttaatc actgaacaaa agaaacaggc 120
 aacattcact tctgtagtat ggtttccacc tatctctaac accactatta aggtacacca 180
 gtgttaaggt acattaataa ctacacaaaa ttttatttaa agagaacact tagcagccta 240
 tgatagtttt caataaaatg ttgcctctct ttcggattct cactaacctt tggtagtatt 300

<210> 1162
 <211> 291
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(291)
 <223> n = A,T,C or G

<400> 1162
 aattccgttg ctgtcgaaga acttcatggg cttcaataat gtctagaaag taaaatgaaa 60
 gaggaatgtt accatcccca gctgccctta tttccagaga accagacgtt tggntgnnna 120
 gnggatnnan aancgctnnn cntancaggn tactcgatna aggcaaggta aatatngctn 180
 cannagtgc ctcnctnttc ncangagtcc ctcnnatnag cacccttatg ntagggnntn 240
 nnnntnnnaa cnttcengnt ngaccanann ttnaccnctg nggcggttag g 291

<210> 1163
 <211> 284
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(284)
 <223> n = A,T,C or G

<400> 1163

```

aattccggtg ctgtcgggta gaccaccatt tacatatgca tctttaatta ggcaggccat      60
tctcgaatct ccagaaaagc agctaacact aaatgagatc tataactggt tcacacgaat      120
gtttgcttac ttccgacgca acgcggccac gtggaagaat gcagtgcgtc ataactcttag      180
tcttcacaag tgttttgtgc gagtagaaaa cgttaaaggg gcagtatgga cngtggntga      240
agtagaattc naattaccan ggtnacanna gatctttggc aacc                        284

```

<210> 1164

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1164

```

aattccggtg ctgtcggcaa ctgtgacctg gagcgctttg ctcaggtctt ggagaaggaa      60
ctgcccctgt atgcgcgccc catcttcctg cgcttcctgc ctgagctgca caaaacagga      120
acctacaagt tccagaagac agagctacgg aaggagggtt ttgaccgggc tattgtgaaa      180
gacccgctgt tctatctaga tgcccagaag ggccgctacg tcccgtgga ccaagaggcc      240
tacagccgca tccaggcagg cgaggagaag ctgtgattcc ccccatccct ctgagggccg      300

```

<210> 1165

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (300)

<223> n = A,T,C or G

<400> 1165

```

tataagctgc aataaacaag ttaacaacaa caattgcatt cattttatgt ttcagggttca      60
gggggagggtg tgggaggttt tacngacgct aaagaaaacc cntatggcaa gnatgactat      120
aanagnccat tcccncgtga nnccaaaaac taacgcagnt atgccnagaa tgngactgtc      180
tggntcnaac ccagegnnct gcanacngat gtacngaaga ttttatgaaa tgcattngana      240
ctacctgaaa aatcacagac nttctataag gagctnaacn gtttncgana ggccgctctag      300

```

<210> 1166

<211> 294

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (294)

<223> n = A,T,C or G

<400> 1166

```

aattccggtg ctgtcgtacc ccagtaccag tgaggatata ttgggaatta cttggcaaaag      60
tcctgggtacc tgggctagct tggttccttt ccaagtgtca tatangaacn nnatnttacc      120
ggccanantc cnatantacg gntngantat nttgtgntgc nganccattt tcacaattac      180
tatgtnatnn antganaatg nttnagtnaa aaantncata nctgnaanac atngaattntn      240
aattgggcca tcatntacga nttganctga antatttagg gnactttata aatt                        294

```

<210> 1167

<211> 260

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(260)
 <223> n = A,T,C or G

<400> 1167
 aatccgttg ctgtcgaaac gctgccagat catcatcttt cagggtggtct tcctgggect 60
 cctggctggc ctgggtggtcc tcttctacgn ctatcctgtg cggtgcnagn agttgtnnnt 120
 tnnctnatgg cnggtattct gtntnttttn ntttttttn ntttnnagn ccnnntgatn 180
 atgttttnt tngttntnt gnagnntnnn agttttggtg ggtttntngt cngnttcnna 240
 gntnnattct ntctantgnt 260

<210> 1168
 <211> 293
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(293)
 <223> n = A,T,C or G

<400> 1168
 aattccgttg ctgtcggaag aagttgaagc agaagtgaag gcagctgcag agatatcaat 60
 gggaaacagag gtttcagaag aagatatctg caatattctg catctttgca cccagggtgat 120
 tgaaatctct gaatatcgaa cccagctcta tgaatatcta caaaatcgaa tgatggccat 180
 tgcacccaat gttacagtca tgggtgggga attagttgga gcacggctta ttgctcatgc 240
 aggcctctct ttaaatttgg ccaagcntgc agcttctacc gntcagattc ttg 293

<210> 1169
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1169
 aattccgttg ctgtcgattt aatatacaac ttggtttaga ataaatatct aacaaatgta 60
 taattgaatg gcagagacac tgacacttca tttgataggc cattgctcct gccaggttg 120
 ggactgagaa aataatttga tagttggtcc aatgtgtgat acctatgaaa gaaccgagcc 180
 ttaatatatt tcatctttat gttacagcca ctgtgtcgaa ctcccagcag gcttaccagg 240
 aagcatttga aattagtaag aaagaaatgc agcctacaca cccaattcgt ctgggtctgg 300

<210> 1170
 <211> 292
 <212> DNA
 <213> Homo sapiens

<400> 1170
 aattccgttg ctgtcgcaa gggctcacta agccagaggc caaagtgcc cctcccgttc 60
 acctaccacc caagtctca tgccctccga gggctggggg aggaggggct caaggaaggg 120
 gggttccatg tacatattta tcccccttt cacatagccc caagaccttt tgtacatttt 180
 tacaggggtg cccctccaa cagttccctt cctggttaat taaacctca gactggtgct 240
 gtgttcctag cctctggcct ctctgtgggg aaaggggact gcaaggggaa ga 292

<210> 1171
 <211> 263
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(263)

<223> n = A,T,C or G

<400> 1171

aattccggtg	ctgtcgggca	cagtagttta	ccctgttatc	tgtgtttcat	aatgggggct	60
gtatgaatat	tatttataac	taataaaatg	ttgccagaat	tatactaaac	tggtggatga	120
gattaggaga	tcagaggctg	gaccttctct	tgataatgct	tgttttgtta	cagntattan	180
gaaatnnttt	gtatgtgatt	nntttnntnn	tcngnatngt	tnatgttnag	atnggtnana	240
nmmncttttt	nantngctga	att				263

<210> 1172

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1172

aattccggtg	ctgtcgtctt	ttctgggtgac	tctctggatt	ttgaaaaaca	gactctcctc	60
cctcaatagt	gaagtgtcca	ccctccggaa	cacaaggatg	ctggcattta	aagcgacagc	120
tcagctgttc	atcctgggct	gcacgtgggtg	tctgggcatc	ttgcagggtg	gtccggctgc	180
ccgggtcatg	gcctacctct	tcaccatcat	caacagcctg	caggggtgtct	tcattctcct	240
ggtgtactgc	ctcctcagcc	agcagggtccg	ggagcaatat	gggaaatggt	ccaaagggat	300

<210> 1173

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1173

tagatcaagc	tacttggtct	ttttgcagga	tcccatcgag	ccggcgcgag	tgtgcgtgtg	60
tgtgcgtgtg	tgtgtgcgag	cgcggtggag	gggggggacc	aactgcttca	cactttcaac	120
actgcactga	agagggagag	cgagagagag	actggagacg	cacagatccc	cccaaggtct	180
cccaagccta	ccgtcccaca	gattattgta	cagagcccca	aaaatcgaaa	cagaggaaac	240
gaacagcagt	tgaacatgga	cgaaggaatt	cctcatttgc	aagagagaca	gttactggaa	300

<210> 1174

<211> 299

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(299)

<223> n = A,T,C or G

<400> 1174

aattccggtg	ctgtcgttgc	acccaagget	gagcctgccca	tcattccctgc	cacccggaac	60
gagcccatcg	ggctgaaggc	ctccgacttc	ctgccgcng	nganaatncn	ccnnnnngcn	120
natctggcnt	acaangatga	natngacgtg	ataggtgnta	ncannaacan	cataganana	180
aactgnttnt	ntgtangnng	anngtnntac	ntnatccgnt	ncatnnaann	tngaattcnn	240
atcnnctccn	annaggaacc	gtcttgagaa	gatngcatga	nncgaatcct	actcttcga	299

<210> 1175

<211> 294
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (294)
 <223> n = A,T,C or G

<400> 1175
 aattccgttg ctgtcgcccg cgaggcggca atgccggctt ggggcttga gcaacgcccg 60
 cacgtggcag ggaaacctcg tctctataaa aaaaagaata caaaaattag ttgggcattg 120
 tagtgagcgc ctgtgaggct gcttgtaggg ctgagggtgg aggatccctt tagtccagga 180
 gttcaaggct gcagtgcgct gtataatgcc actgcagtcc agcctgngtg acagttanac 240
 cctgtctncn natctanatt tntgnaaag nanacnttaa ggntangatg aaat 294

<210> 1176
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1176
 gagcattcca tcgtcttcat tagctcttct atcctctgtc ctgtcctcta gcaagacacg 60
 ctggatgcag atatccacat agagacggag gatcatggca tgtataagta catgtcttcc 120
 cagcacctct tcaagctgtt ggactgtttg caggaaatccc attcattctc aaaggccttc 180
 aactccaatt acgagcagcg gactgtcctg tggcgagcag gtaaggccac acagcagata 240
 agatagatgg ccacactggc caccttccta aaacattaaa gtgcttgga aatgcccaaa 300

<210> 1177
 <211> 282
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (282)
 <223> n = A,T,C or G

<400> 1177
 aattccgttg ctgtcggaat tgtggaagct accttttagga acatggagaa ttcccaaacc 60
 aacaggcaaa ggaaaactaa cgcacaaaaa tgacattctg aagatgcagg ttccagccag 120
 gcgcggtcga gagaanatan aaacgggtcaa ttaccnaca tatnctgagg ctgagaaata 180
 gtgctnagat ggaaganatg aactncnagt ctctggtcga ccatnctnan ttctnacct 240
 tnnngncnna ctgtanatga anagggttt nntcttctgt at 282

<210> 1178
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1178
 aattccgttg ctgtcgtcct cttctggcc cagaagatct tcaatgacaa cagcctcagt 60
 atggaggcct tcagcaccg ttctgtgtcc tggtcgcagt tcaacaaggc cattctcctg 120
 ccctttggac ctccacccc caagctcttc atccctgggg cactcagggc ctgctcagcc 180
 tccatgcagg gaccttcac tggattctcc acagtgcgcc ctgaggtcct ttaggaaggc 240
 ctgtcatgga ccaggaggga aaaaccccag gcctgggggt tggctctgga gatgcgttct 300

<210> 1179
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1179
 atgcccccg ggccctggcc cagaccgccg cccccgggcc gggcaggaag gagctgaaga 60
 tcgtgatcgt gggcgacggc ggctgcggca agacctcgct gctcatgggtg tacagccagg 120
 gtccttccc cgagcactac gccccatcgg tgctcgagaa gtacacggcc agcgtgaccg 180
 ttggcagcaa ggaggtgacc ctgaacctct acgacacggc cgggcaagaa gactatgacc 240
 ggctgcggcc cctgtcctac cagaacaccc acctcgtgct catctgctat gacgtcatga 300

<210> 1180
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1180
 aattccgttg ctgtcggcta agacaatctc agcttttctt agacaatctt ctatctcaaa 60
 cttcagacat tccagaattg tcatgatgtt tacactgtct gagttaaaaa tcctgttcaa 120
 gaaaaaaaa agattttgta tcacttctta aaaaggaata ttcatagcac ttgtcacaaa 180
 tagaaggcaa ccatgagata atacaagcca gggagaggct tgtattacat gacaggtgta 240
 attagtctgc tgagccagct ttacccaatg aaggccatat gtgtagaga gattagctaa 300

<210> 1181
 <211> 263
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (263)
 <223> n = A,T,C or G

<400> 1181
 aattccgttg ctgtcgggtc tgggccagaa agacttccag tttggagtcg tttgctgcgg 60
 ggaggggaatg aatgggcgct gggaaacacgc ccgcgagggtg gggacgcgcc ggccgtatcn 120
 aggncttag nnngagaacg gccnacngnc atctnnttca tgcncntnn naacntnact 180
 nntagnnnac tttnnncgt gacttncct tantgtaaaa tanntntnc nngacncagc 240
 cganttcac ccanntctnn ngg 263

<210> 1182
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1182
 aattccgttg ctgtcgggtg aagcctgggc aggtgggtgta caagtgcgcc aaatgctgca 60
 gcatcaagcc cgaccgagcc caccactgca gtgtttgtaa ggggtgcatt cggaagatgg 120
 accaccactg tccttgggtc aacaactgtg taggcgagaa caaccagaag tacttcgtcc 180
 tgtttacaat gtacatagct ctcatctcct tgcacgccct catcatgggtg ggattccact 240
 tcctgcattg ctttgaagaa gattggacaa agtgcagctc cttctctcca cccaccacag 300

<210> 1183
 <211> 300
 <212> DNA

<213> Homo sapiens

<400> 1183

aattccgttg ctgtcgaaga gacagctata tttgtttcaa tgtgtacctc tccttctaaa	60
ctcagttcctt aagcatatag tatctttata gctatacacc tagtgtctat cagaccctaa	120
actatggttag gccctcaata cattttattg ttataggttag atagataggc atgagtaggg	180
caggagaggg ctctccctcc acccactaga aatgtcaagt gatgttttaa aaattgtcac	240
actgcctctc agaaaatgat aattcagcaa ccggggagag aatcttctga tgggtccacac	300

<210> 1184

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1184

aattccgttg ctgtcgctt tccaggtcct tccaactttg ttaatttggt ctactgcctg	60
ggagattcct ttgactttat ctttttacct ttatattgaa ggttttcagc tgtcatattt	120
ttaatttctg gtagtttttt ctgtgtctatt ccttaatttt ttctttggag acaggggttc	180
actctgtcac ccaggtttgt gacagcctta ctgcagcctc aacctcctgg gcccaagcaa	240
tcctcccact tcagcctcct gagtgggttg gaccacaggt gcataccacc acacgtggct	300

<210> 1185

<211> 272

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(272)

<223> n = A,T,C or G

<400> 1185

aattccgttg ctgtcgacaa agtcgcagat gcatacaaga ctttttcaag aaacacatac	60
agtacaaatt cttagatgaa gactttgtgt tcgatataata cagagacagt agggggaagg	120
gggggaagnt tcntgnnacn tctttgntna tctnnnnnnn ncatgattta ctactttaan	180
gnggnnttgn tggntantng naccatgnnc attncttnan ngtcnngntt ttcttantaa	240
ntcgnntntt ncntnnactg ncctaanatn nt	272

<210> 1186

<211> 288

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(288)

<223> n = A,T,C or G

<400> 1186

aattccgctg ctgtcgccca aactaaaacc ttatctgtct gcattttgaa tgcattttgg	60
tcaaaaagtat acgtttttaa gattttttaa gataaaaatg tggcncaacn gggttttttt	120
gctnnctgat ntangnccct atcnntaann taatctttct ctcennance anantncacc	180
antatggtnn aactannnt naactnacan tgaannntta attngnnntt ttcnnnaann	240
ntttcnaatn taaatnncta nngnttncaa ctngctcgnn ngaaattc	288

<210> 1187

<211> 261
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(261)
 <223> n = A,T,C or G

<400> 1187
 aattccggtg ctgtcggctt gggattcttt tatctcctgt ggtggataaa tctgccttaa 60
 atatcaatgt aacttggggg ctgggggctt gttttgggtg ccaancncat ctctttangg 120
 acagnntaaa tnggattata tctcangnac agttggacct tcagacctaa cnntnaccat 180
 tnncccttacc tgtntaantc tgaaatgtaa tanganagat aactgcnaga tgccagctnt 240
 cctaantntc aaagcctttc a 261

<210> 1188
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1188
 aattccggtg ctgtcgaac caaggacaca gtcagcattt aacaaaaagg aatctgcac 60
 tcagtcagaa ctgtattgca ttgtcttctc tctggattac cttgaagtta ctccccctcc 120
 ccaagcagtg aaacgatgga ccaaaggggt aaatctcttt gaacaagaaa ttattctggg 180
 gcctattcat cggaaggtag attggagcct ggtggtgatt gacctaaaga aaaagtgtct 240
 taaatatctg gattctatgg gacaaaaggg ccacaggatc tgtgagattc tccttcagta 300

<210> 1189
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1189
 aattccggtg ctgtcgcgaa tggtagcccc ctggacggaa gcgcccagaa ggtgccgagt 60
 cccgatcccc agcccagcac tcgcggcatc ttccggccttt gccactattt tggtttttat 120
 gatttttaac aaggagcgtg aaagcttcag ctgcgcctga gccacgtgg gcagcgggac 180
 ggcatagggg tggcccccat agaagccggg ctgggggtgg cctccgtagg gttgtctggg 240
 gtttccacgt ggggtgctaa gaagcaaggc ctggctgggt gcggtggctc ccgcctgtga 300

<210> 1190
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1190
 aattccggtg ctgtcgggca aggaaggatt cttctgaagc tttcggagga agcatggccc 60
 ggccaacacc ttgatttctg atttctaaac tactcagccc gcctgcaccc aggtgaaata 120
 aacagccttg ttgctcacac aaagcctgtt tgggtggtctc ttcacatgga cacatgagac 180
 acttggtgcc gaagaccag gtcagtga ctccttcagg agaccagtcc cctgtcctca 240
 ccctcactcc gtgaggaaat ccacctatga ccttgggtcc tcagaccaac cagcccaagg 300

<210> 1191
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1191
aattccgttg ctgtcgggtt accagctaca taggataggg cctaacaaag acttactagc 60
acaaagcaag gaggtttcaa ggaagttagt ttataaaaga aactattatt ttttaacact 120
tatgatttat tctttaacaa gaagggaaac tttgaagagg aacttttact ttccacattg 180
aacaataag taagaaaaag aaagggaaac ttccccaggg ctgaaaggaa attttcaggt 240
catgccatta ttatcagaat taataagacc catgcatcgt ggaaaactga gaacaccacg 300

<210> 1192
<211> 260
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (260)
<223> n = A,T,C or G

<400> 1192
aattccgttg ctgtcggcgg agcgaccccg gccggaagcc gctgtcgggg agccggcggt 60
ggggctggac gcaggtgcaa ctgacatggg tgaaccccag ggatccatgc ggattctagt 120
gacagggggc tctgggctgg taggcaaagc catccanaag gtggtnntna atggagttgn 180
actttntgga taggatttnt ntgttagttn cnantnttac tntgntntaa tcttngnan 240
tnttnggann ttttttgttt 260

<210> 1193
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1193
aattccgttg ctgtcgatct caccctggga agatgtggtg cccctccag ggctctggag 60
gatggatgcc tccccaggg gctctccaag ctgggcattt gggcctggtg gatgccaacc 120
tgataaacc gtggcccagc attgactgtc caccagcct tctgttagg caccatgact 180
ccaagatgaa gatgtggtcc ctgcccttga gtgacagccc agggacttaa tgtggccatc 240
gggcatcaag cacaaggcca tgcagtgat gatacgtcgg aatagaggca ccagccctgg 300

<210> 1194
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1194
aattccgttg ctgtcgggaa gctcgatgtc ccaatattgg agagtgttgg ggaggtggag 60
aatatgccac cgccacagcc acgatcatgt tgatgggtga cacatgtaca agaggttgca 120
gattttgttc tgtaagact gcaagaaatc ctccctcact ggatgccagt gagccctaca 180
atactgcaaa ggcaattgca gagtggggtc tggattatgt tgcctgaca tctgtggatc 240
gagatgatat gcctgatggg ggagctgaac acattgcaaa gaccgtatca tatttaaagg 300

<210> 1195
<211> 265
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (265)

<223> n = A,T,C or G

<400> 1195

aattccgttg	ctgtcgggtg	agggtgccgt	gagctgagat	tgcgtcactg	aactccggcc	60
tgggtgacag	aaggaggctc	tgccttaann	ganaaaaaan	cntcntggaa	ctggtgnang	120
gataaaatna	aggattgagg	nattgaggna	ttgntgacnt	gnacntcnag	gngtcnnatt	180
tttttaaang	ggggggcncg	naccgggncc	gnntncntnt	tntttcnagg	cagggtgggnn	240
tgngnnaann	caanaggnat	tcctnt				265

<210> 1196

<211> 257

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (257)

<223> n = A,T,C or G

<400> 1196

aattccgttg	ctgtcgggtga	atgatgatga	tgccattggt	gctgcttcga	agtgccttgaa	60
aatgggttac	tatgcaaagt	tagtgggagg	ggaagtggac	acannntnca	ntgannaaga	120
tgntnaagag	cccatncctn	agaccanctt	atntnatacc	tnttgancnt	ttnngatntc	180
atntnangtn	tcannatntg	ccntnnnctn	ngccacnngg	cnntatgcnt	tntnngncna	240
ttntttntnc	ntcatct					257

<210> 1197

<211> 286

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (286)

<223> n = A,T,C or G

<400> 1197

aattccgttg	ctgtcgagat	gaccctgctt	tcttggctct	gttaagtatc	tggctctgtg	60
tgtccactat	aggatttggt	tttgtgctgg	acatgggatt	ctttgagaca	ataaagcttc	120
tcctttgggt	tgcnctnata	nattgtgnat	gngcntgntc	ntntttncgt	tnnanaatnt	180
tcctttnnan	ancnggncat	ntaattnant	tnaaaaggaat	naccctngcc	cnnngnttaa	240
naannanttc	ttnnanattnn	ggaacnttnt	cccccttnna	attttc		286

<210> 1198

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1198

aattccgttg	ctgtcggacc	cataggcatg	ccagacatgg	gcattggggtt	catgttcac	60
tgtcccatgt	gaccactgct	gccattcatg	tgcaccatac	tatacactgc	aggattcccc	120
tgggtgggcaa	actgctgctg	ggaaaaggag	ctgtaagtaa	acaaatggta	atattacctc	180
tggaagtcac	tttagcgaca	aagggcatgc	ccacagaaat	tactacaatt	gtgtcaaaca	240
ttgctatact	taagctggga	atgttagaga	aaactccctg	acagcctgtg	atccattttt	300

<210> 1199

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1199
 aattccgttg ctgtcgacca gacagagctt ccagagtgtc aggacatgtg tgacttagcc 60
 cagattcaga ctttagtcac aagcaggatc agcatagaca tctagctccc agcatggcaa 120
 ttctctgttg tgtctccctg tttgtattgg ctgcaggaaa gctcagagcc aagtctgcga 180
 taagctgac ctaagtgtga acgtgaagtc cccagccctg ctgctgagcc agttgctgcc 240
 ctacatggag aacaggaggg gtgctgtcat cctgggtctt tccattgcag cttataatcc 300

<210> 1200
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1200
 gggcggctcc gggcaggggg gcacgatctt aaggacagtc gctccctgaa cgcgagagccg 60
 gaggagacga agggaaggtg gagcggacgc caccgcgca ccgggcaggc gcggagaccg 120
 gcgtgggaca gccacctgga gcgcagctgc cagaaagaag gactttgctg ctttgggcca 180
 ggatctgaac ttaggtgtaa accattgccc tggcagaggg aacctacca gtccattgct 240
 gcctgctaca agatatgaac agtaatggca catattttgg ttatgagtc ctcagtggac 300

<210> 1201
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1201
 aattccgttg ctgtcggcat cagcaggcac tgtcctccct ggagctgctc aacgttctct 60
 tcaggacctg caaacatgag aagctgacct tggacctgac ggtgctcctg ggtgtgctgc 120
 aggggcaaca gcagagccta cagcaggggg cacactccac cggtccagc cgctgcacg 180
 acctctactg gcaggccatg aaaaccctgg gagtccagcg cccaagttg gagaagaagg 240
 atgccaagga gatccccagt gccaccacaga gcccacatcag taagaagcgg aagaaaaagg 300

<210> 1202
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1202
 aattccgttg ctgtcgatgc tcccaggtct ccagtgtcac ctctcggtag agtgtcctct 60
 gggccaggtc cagctgttcc cactcctcct gtgtgaatgc catagccaca tcctcgaagc 120
 acacagatgc ctgaaacagg gcacttgtaa ctgctcagag accccaggtc ctcatgccct 180
 cagggaggta cctgttaagg cctaaatggt ggtgtccccc cgtaaaattc atacattgga 240
 acctaatacc cagtgaata gtgttaagag gtggggtctt tacaaggcaa ttaatgtcct 300

<210> 1203
 <211> 298
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(298)
 <223> n = A,T,C or G

<400> 1203

gaaaggcacc agtatgtgtt ttagattgat ttccctgttt cagggaaatc acggacagta	60
gtttcagctc tgatgggtata agcaaaacaa ataaaacgtt tataaaagnt gtatctngat	120
acactgnnnt tnnacatgnn ancannttat gnnnnntant ctatgccacc tnnngtcac	180
ntnttnmann ctctancntt ncancttct tgnntcntnt cctnattcgn nngtgccaag	240
agantntntn cngnagnnac cnttcccttg ccaccttctt gctctgtntn tattacct	298

<210> 1204

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1204

aattccgttg ctgtcgagca cattgaccac cacattcagg gccaggggct cagtgggcaa	60
gggctctgtg cccgtgccct gtacgactac caggcagccg acgacacaga gatctccttt	120
gaccccgaga acctcatcac gggcatcgag gtgatcgacg aaggctgggtg gcgtggctat	180
gggcgggatg gccatttttg catgttccct gccaaactacg tggagctcat tgagtgaggc	240
tgaggggaca tcttgccctc ccctctcaga catggcttcc ttattgctgg aagaggaggc	300

<210> 1205

<211> 267

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(267)

<223> n = A,T,C or G

<400> 1205

aattccgttg ctgtcggcag gttgggtgtca aaggaaatcc ccaaggcttc aaccagggtc	60
tggattgtga tgtgatcgta gctgaggtat gtgcttctca ggcttgcaaa gcttccacat	120
ttttgttgan atnanttatt catgnggact tgtatcnnnc tcnnnacnnt tnnntcnctn	180
naanctgnnt annnctatnn tnancttcgn aactnatctt gattacntnt tctncatcnt	240
annnttnatt tnantaannn ntgntga	267

<210> 1206

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1206

gccacgggat cctcagcggc ttcaacaaga cggttctgcg gacgctcccg cggagcggaa	60
acctcattgt ggtggagagc gtgctcatgg cagtggcctt cctggccatg ctgctgggtg	120
tgggtttgtg cggagccgct taccggcca cggaggagat cgatctgctg agcgtgggct	180
ggggcaacat cttccagctg cccttcaagc acgtgcgtga ctaccgctg cgccacctcg	240
tgcctttctt tatctacagc ggcttcgagg tgctctttgc ctgcactggt atcgcttgg	300

<210> 1207

<211> 294

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(294)

<223> n = A,T,C or G

<400> 1207

gtagagaaca	acctgctgca	tctggaagac	ttatgtgggc	agtgtgaatt	agaaagatgc	60
aaacatatgc	agtcccagca	actggagaat	tacaagaaaa	ataagaggaa	ggaacttgaa	120
accttcaaag	ctgaactaga	tgagagcac	gccagaagg	tcctggaaat	ggagcacacc	180
cagcaaatga	agctgaagga	gcggcagaag	ttttttgagg	aagcctccn	ccnggacctg	240
gacctgtanc	tgctcnntgg	gtacntnctg	aannttgngt	gtntnagct	cctt	294

<210> 1208

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1208

aattccgttg	ctgtcgctgg	tgatgagatc	gggaaagtgg	gctcaggagg	tctggatctg	60
tgatgagatg	gggaaagtgg	gctcaagagg	tctggatctg	tggtgagatg	ggggaagtgg	120
gctcaggagg	tctggatctg	tgatgagatg	gggaaagtgg	gctcaggagg	tctggatctg	180
tgatgagatg	gggaaagtgg	gctcaggagg	tctggatctg	tgatgagatg	ggggaagtgg	240
gctcaggagg	tctggatctg	tgatgagatg	ggggaagtgg	gctcaggagg	tctggatctg	300

<210> 1209

<211> 278

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (278)

<223> n = A,T,C or G

<400> 1209

aattccgttg	ctgtcgagc	cttatcattg	gttatgccag	aaacccttcg	ctgaagcagc	60
agctgttctc	atatgctatc	ctgggatttg	ccttgtctga	agctatgggt	ctcttttctg	120
tgatggttgc	ttnccttgnn	gtgcttnnca	ngaccnaaga	ncataggaaa	cacctgagta	180
gctcttntcg	tgctggccac	caggagaagg	agcantatag	tcgcctgagn	gnnggcggcc	240
attatnacag	ccngaanaca	ctttctacnt	cttcaatg			278

<210> 1210

<211> 281

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (281)

<223> n = A,T,C or G

<400> 1210

aattccgttg	ctgtcggaag	ctagatggac	taggagagac	ttgatttttg	tgctaaagt	60
ccccagttca	tatgtgacat	cttttttaaaa	aaaataacaa	caaaaaaaaa	atgananaaa	120
agctaaaaaa	aaangnangg	ggngancagt	naanggnatt	nattccacat	ncaanatcng	180
ggnaaaacga	tttctgttaa	aagnaccttn	aagggttttn	gntntaaaaa	nccgnaggtc	240
tatccttaaa	gcantnacnc	cangctttnt	tccttgggtt	t		281

<210> 1211

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1211
 aattccggtg ctgtcgctca gccgcctgc acccaggtga aataaacagc catgttgctc 60
 acacaaagcc tgtttggtgg tctcttcaca gggacacgga tgaaatttgg tgccgtgact 120
 cggatcgggg gacctccctt aggagatcaa tcccctgtac tccttttctt tgccctgtga 180
 gaaagatcca cctatgacct cagtcaggtc ctcagaccga ccagcccaag gaacatctca 240
 ccaattttta atcagacctt gaagatttgt tgttcaagga gaaactgaag agcaagaagg 300

<210> 1212
 <211> 293
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(293)
 <223> n = A,T,C or G

<400> 1212
 aattccggtg ctgtcggaag tgaccgccc tcaatgctgg ctgctgctaa cattaatgag 60
 aagggtggcct tcagcgtgna nctgaggnnn naangncaca nnanntgaat gcttnnagcg 120
 acngaaatgg aatattctga naatgancan nancnncacc actacnacag aaagangttg 180
 gaggctnctg taccctgntc attccttang ggnctgtctt nccttaataa gtaagtaagt 240
 tggntacng ccctnnatat gcaaatgaga gctgaaaagt tttaaaaggt aca 293

<210> 1213
 <211> 280
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(280)
 <223> n = A,T,C or G

<400> 1213
 aattccggtg ctgtcgcttt gaaatgtaac aaatggtact acaaccaatt ccaagtttta 60
 atttttaaca ccatggcacc ttttgcacat aacatgcttt agattatata ttccgcactc 120
 aaggagtaac caggctgtcc aagcaaaaac aaatgggaaa atgtcttaaa aaatcctggg 180
 tggacttttg aaaagctttt ttttttttga aacggagtnt tgctntgtng ccaggtntgn 240
 agggcannan nncnatctng gntaattgca ccntccgttt 280

<210> 1214
 <211> 259
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(259)
 <223> n = A,T,C or G

<400> 1214

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aattccgttg ctgtcgctga gtaatctgga agaaacctgc cccatgacat gtattctcgg      60
aaagtgtgct gtgtgtgcat tcaaggactt cctctcctgc aggccaactg aaataccaga      120
aaatgacatt ctgctttgtg agagccgcta caatgagagc gacaagcaga tgaagaaatt      180
caaaggattg aagagggttt nactctctgc tanagcgtag acgatnnant ttacnctntc      240
nnanctcnat nttncanct

```

```

<210> 1215
<211> 276
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(276)
<223> n = A,T,C or G

```

```

<400> 1215
aattccgttg ctgtcggtct ctgtgtgtac ctcccattga gtagagaagc ttaagataat      60
ttctgagaga agaacactgc tgattgtggg agcagtttag gagtccatgg aagaaagaaa      120
aatacatgtg tcttggcagc catgggtgtat tttgtccaa atggattgga aggatatttg      180
aataattgaa tgntgntncn acataangtt gannnnact ntcnattcnn ccnntgaant      240
acantnctgn cnancnctnt cnccttaatn tcnttc

```

```

<210> 1216
<211> 299
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(299)
<223> n = A,T,C or G

```

```

<400> 1216
aattccgttg ctgtcggttag agatcatctt tacagttcct cgggaaaatg tgaatgtgct      60
gcgttttgtt ttctttactg tatgaaaaca ggaaaataaa agagaaattt agaaaataca      120
gctcattaca ataaaattgt tggatttcat ttccccaggt cttcagtggt gatgtaaatg      180
tgttttgtag tgttgcttag cactttgcgc attgtgtang ttgggtaaca nntanggcta      240
nctaanngca nnntttccan ncntttngnt ctgaanacct tcntttannc tgcccattg      299

```

```

<210> 1217
<211> 296
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(296)
<223> n = A,T,C or G

```

```

<400> 1217
aattccgttg ctgtcgagc tttattgctc acacaaagcc tgtttggtgg tctcttcaca      60
cggatgcgca tgaattttgg tgccgtgact cggatcgggg gacctctctt aggagatcaa      120
tcccccgcc tctgtctctt tgctccatga gaaagatcca cctatgacct caggtcctca      180
gaccgaccag cccaagaaac atntcaccaa tttcaaactt ggncttcana tggaaaaggan      240
cnngtatccn naaagangtg atcaangatt gcntnctgag ganntcatat gcactt

```


<210> 1218
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1218
 aattccgttg ctgtcgcgaa ataatacgtg tagatgcccc tgatccaggt gcagaccctgc 60
 tggctagcag tgtgaacggc atgtgcctgg atattcctgc tcacctgagc atccgcatcc 120
 tcatctcgga tgctggcgcg gtggaaggga ttactcagca ggagatactc ggtgtagaga 180
 caaggttctc ctcaagtgaac tggcagtacc agtgtgggct tacctgtgag cacaaggccg 240
 accttctccc tatcagtgc tccgtccagt ttattaaaat tcctggcagt taccaccacc 300

<210> 1219
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1219
 aattccgttg ctgtcggcca ggaaaggcaa ggggcagatc gagaagagga agctgcggga 60
 gaagcggcgc tccaccggcg tggtaacat ccctgccgca gaggcttag atgagtacga 120
 agatgatgaa gcagggcaga aagagcggaa acgagaagat gcaattacac aacagaacac 180
 tatacagaat gaagctgtaa acttactaga tccaggcagt tcctatctgc tacaggagcc 240
 acctagaaca gtttcaggca gatataaaag cacaaccagt gtctctgaag aagatgtctc 300

<210> 1220
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1220
 catcttgccc atgtcgttct tgaactcctg acatcgtgat ccatctgcct cggcctccca 60
 aagtgcggg attacaggca tgagccacag tgcccggcca ttttgcccat tttttaatca 120
 ggttatttgc ttttttgga agattcgcgg ccgctatcta cgtagatcca gacatgataa 180
 gatacattga tgagtttga caaaccacaa ctagaatgca gtgaaaaaaa tgctttattt 240
 gtgaaatttg tgatgctatt gctttatttg taaccattat aagctgcaat aaacaagtta 300

<210> 1221
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1221
 aattccgttg ctgtcgagca aataccaagg cctaaaaaag aatgaattat ttgctgtttg 60
 ggaaatggaa gccacgctg agtgctgaag cacagggact ctgcgcagga agaggagggg 120
 aagcaagaaa tgaatttggg tccttgatgat ggcagtggct gctgccatca cgctgtgtgg 180
 ctagggctgc acacttcatg gagecgggtg aagcccgcgc cctcatgagt tgggactgga 240
 gccgcaaacc gctgctgcag acccaggcct tctgctctat ggagcaggca ggagccccac 300

<210> 1222
 <211> 270
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(270)

<223> n = A,T,C or G

<400> 1222

aattccggtg	ctgtcgcagc	cttggtttat	gccacttttc	tctccccata	ccttccccctc	60
atgtgtactt	agccacctgt	gttgctttga	atctgctgcc	agttctggct	caaagtgtggc	120
acaaaatnag	nacttnagac	gcacatgan	ntnctgtgg	ctatnnnttc	tnangantng	180
tttnacnntt	nctgtnttat	nntntgntta	ngnttnagnn	gtnnnnnnta	nnnnnaaata	240
nnnnatgatg	ntntgncna	tcnntntnat				270

<210> 1223

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1223

aattccggtg	ctgtcgcctc	gtggagctct	tccagagctg	gccgctgctg	gagaggccct	60
ggaaggcctt	cctcaacctc	tcggccatcg	tgctcttctt	gttcatctgt	ggcctcctgc	120
cctggatcga	caacatcgcc	cacatcttcg	gcttcctcag	tggcctgctg	ctggccttcg	180
ccttcctgcc	ctacatcacc	ttcggcacca	gcgacaagta	ccgcaagcgg	gcactcatcc	240
tggtgtcact	gctggccttt	gccggcctct	tcgccgcctt	cgtgctgtgg	ctgtacatct	300

<210> 1224

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(300)

<223> n = A,T,C or G

<400> 1224

aattccggtg	ctgtcgggaag	aacataaaca	ggatgctgag	agattgggtc	tctccacatt	60
gccccggctg	ctctccaacc	cctgagttca	agtgattcac	ctcccttggc	ctcccaaagt	120
actgggatta	cagggctgag	ccaccgtgcc	tggtctgagaa	gatggattta	agacatattt	180
tggaagtaac	attgtcagga	cttcctgaag	gattanatgt	ggaaggggaag	gataagaaac	240
agaccaagga	taactttcaa	atgtatgctt	aagcaactgg	atggataatg	atgccattga	300

<210> 1225

<211> 286

<212> DNA

<213> Homo sapiens

<400> 1225

aattccggtg	ctgtcgcgaa	tggttttagcg	ccaggttccc	cacgaacgtg	cggtgcgtga	60
cgggcgaggg	ggcgagcgtt	atctacttag	atccagacat	gataagatac	attgatgagt	120
ttggacaaac	cacatctaga	atgcagtga	taaaatgctt	tatttgtgaa	attatgtgat	180
gctattgttt	tatttgtaac	cattataagc	tgccgatata	caagttaaca	acaacaattg	240
cattcatttt	atgtttcagg	ttcaggggga	ggtgtgtgag	gtttta		286

<210> 1226

<211> 268

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <222> (1) ... (268)
 <223> n = A,T,C or G

<400> 1226
 aattccgttg ctgtcggcgc ggggcagcaa cagtcgcagg agatgatgga ggttgacagg 60
 cgggtcgagt ctgaagaatc cggcgatgaa gaaggggaaga aacacagcag tggcatcgtg 120
 gccgacctca gtgaacagag cctgaaggat ggggaggagc gnttgnagga nganttnnnn 180
 nnnntntnt ntgtgcttnnn canttnnant nnncttcct nanagttngc tnnangnnnn 240
 nnttttatan nntatcnnnn nnatcatt 268

<210> 1227
 <211> 289
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (289)
 <223> n = A,T,C or G

<400> 1227
 aattccgttg ctgtcgcagg aagtgaggat acttctggcg agcgccggtt gctgtttctt 60
 ctcaggctca gggaccggcc gcgccccgt aggggggttt aactcaaagt ggtgatgaaa 120
 aggactcttg gaaagtgaat actttacatg aaattcttca ngaaaagaaa cgaangangg 180
 aacangagga gaaagcagag ataaaacgct taanaaatc tgatgaccgg gattccaagc 240
 gggattccct tgaggagggg gagctnanag atnactgcat ggagatcac 289

<210> 1228
 <211> 264
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (264)
 <223> n = A,T,C or G

<400> 1228
 aattccgttg ctgtcgcttt ttatcacctc ccctcctcac acctggtccg gcttacagtt 60
 tcgttccgtg actagccctc cccacctgc ccagcaattt actcttaaaa aggtggctgg 120
 agctaaagac atagtcaagg ttaacgctcc tttttcttta tccnnaatnn gatacgnta 180
 agntcctttt tnaanncann ttannnnna gncnanntna tgncttnann cncnntnanc 240
 ntgctgagac ncannaatnt ttaa 264

<210> 1229
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1229
 aattccgttg ctgtcgggag tcggaacatc atcttcagcg ggctatttca gcacagcagg 60
 tgtatggcga gaagagggat aatatggta taccggtccc agaggcagaa agtaatatg 120
 cttactatga gtctatata cctggggaat ttaagatgcc aaagcagctc attcacatac 180
 agccttttag tttggatgct gaacagcctg attatgattt ggattctgaa gatgaagtat 240
 ttgtgaataa actgaaaaag aaaatggaca tctgcccat gcaatttgag gagatgattg 300

<210> 1230
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1230
 ctatctacgt acagccagac atgagaagat acattgatga ggttggacaa accacagcta 60
 gaatgcagtg gagaaaatgc tttatttgtg aaatttgtga tgctattgct ttatttgtaa 120
 ccattataag ctgcattaaa caagttaaca acaacagttg cattcattct atgtttcagg 180
 ttcaggggga ggtgtggggg tggagttgtt caggtatctt gggatatata tatgcattct 240
 aaaatctgta gcagcataac tcctttggga atcatgagac atttttgtct cttacctgtt 300

<210> 1231
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1231
 aattccgttg ctgtgcagg aggaagccgc ctacatccaa gagatcacca cggcagatgg 60
 ccagaccgta cagcacctgg tgacctccga caaccaggtg cagtatatca tctcccagga 120
 tgggtgccag cacctgctcc cccaggaata tgggtgggtc cctgaaggcc atcacatcca 180
 ggtacaggag ggccagatca cacacatcca gtatgaacaa ggagccccgt tccttcagga 240
 gtcccagatc cagtatgtgc ctgtgtcccc aggcagcag cttgtcacac aggtcact 300

<210> 1232
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1232
 aattccgttg ctgtgccag gacctgggg aaaggaagcc agccccagg gccagtcccg 60
 gaggggctga tccgcatcta cagcatgagg ttctgcccct attctcacag gaccgcctc 120
 gtctcaagg ccaaagacat cagacatgaa gtggtcaaca ttaacctgag aaacaagcct 180
 gaatggtact atacaaagca cccttttggc cacattcctg tcctggagac cagccaatgt 240
 caactgatct atgaatctgt tattgcttat tcttgagtat cagaacacca ccttctttgg 300

<210> 1233
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1233
 aattccgttg ctgtgccca aaccactcc accttactac cagacaacct tagccaaacc 60
 atttacccaa ataaagtata ggcgatagaa attgaaacct ggcgcaatag atatatgacc 120
 gcaagggaaa gatgaaaaat tataaccaag cataatatag caaggatcct cctgtttacc 180
 ctgtacctcc aatgtctggc acttgtaggt gtcaaaatat tcgttgaatg aatgaaaaat 240
 ccataatgta attgatgtcc tctggccaca tagtttttaa attaggtgat tgattatatg 300

<210> 1234
 <211> 279
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (279)

<223> n = A,T,C or G

<400> 1234

```

aattccggtg ctgtcggttca aatatggaga ttaatcacca acttcttatt ttttgggcca      60
gttggtattca attttttatt taacatgatt tttctatata gttactgtcg aatgctagaa      120
gaaggctctt tccgagggtcg gacagcagac tttgtattta tgttcctttt tgggtggattc      180
ttaatgacct tttttggtct gtttgtgagc tgagttttct tgggccaggc ctttacaata      240
aggcacgtct ntgngtggnn cncnantgaa ccccttatg                               279

```

<210> 1235

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1235

```

aattccggtg ctgtcggttca gttaaaaatg tcatctcaag tcaagtcact ggtctgtttg      60
catttgatagc attttttgtac taactagcat tgtaaaatta tttcatgatt agaaaattacc      120
tgtggatatt tgtataaaaag tgtgaaataa attttttata aaagtgttca ttgtttcgta      180
acacagcatt gtatatgtga agcaaactct aaaattataa atgacaacct gaattatcta      240
tttcatcaaa ccaaagttca gtgtttttat ttttggtgtc tcatgtaatc tcagatcagc      300

```

<210> 1236

<211> 207

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(207)

<223> n = A,T,C or G

<400> 1236

```

aattccggtg ctgtcggttca gttttggcgg agcaaagtcc tagagggtggc caaggacttc      60
cctgagtaca cctttgccat tgcggacgaa gaggactatg ctggggagggt gaaggacctg      120
gggctcagcg agagtgggga ggatgacaat gccgccttcc tgaacgacag tgggaaaaag      180
antgncnttt ngnnananga nnnngnt                                         207

```

<210> 1237

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1237

```

aattccggtg ctgtcgccca ggccatgaag cattatacag aagccatcaa aaggaacccg      60
aaagatgccca aattatacag caatcgagct gcctgttaca ccaaactcct ggagttccag      120
ctggcactca aggactgtga ggaatgtatc cagctggagc cgaccttcat caaggggata      180
gtcccccttc tgaaaacact cgttgccctt gttcttctcc tccaaagcca gctaaattcc      240
aaataccaga gactgaaatt ttcagccttg ctaagggaac atctcgatgt ttgaaccttt      300

```

<210> 1238

<211> 249

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(249)
 <223> n = A,T,C or G

<400> 1238
 aattccgttg ctgtcggctg acagctatatt tgaattttgg agcagaggat ctcttcaaag 60
 aactggaagg ggaggaatca gaacctcagg aaatggatat agatgaaatt ttgcggttgg 120
 ctganaccan agagaatgaa gtgtcancna gtgcncagat gaantttctat cacagantaa 180
 ggttgtnaan ttgtcagcna tggangatgn gtaactnntn taaaancntg gncntgnttn 240
 gtngggata 249

<210> 1239
 <211> 269
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(269)
 <223> n = A,T,C or G

<400> 1239
 aattccgttg ctgtcgggac aacgccaagc tgggtgctgt gctctcagcc aaggcggccc 60
 aagccagtga cctggaaaaa atccacctgg atgagaagtc tttccgttgg ttgcacaacg 120
 aggaccagat ggctgtggag aagctttntg acgggacnng caagtttgcc ngtgatgcag 180
 tnaagcnnnn ncgcttnctt gnnagatnga atgtntttat ngttaatngn aanantttgg 240
 tntctanntg gtgtntntnt nattatgnc 269

<210> 1240
 <211> 294
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(294)
 <223> n = A,T,C or G

<400> 1240
 aattccgttg ctgtcgatat ttggaggac ggggtgaagag gtaataacga aagcaagcga 60
 gtgaattagg atttcaaagt gccctaatag tgtgagtctc cagtctcctag aatatgaaga 120
 gtgtgtcgt tggggtgaaa ccatgagact gacagatctg cctgaaatgg ggggtgtgta 180
 angtgtcgt cctgagtggc nnggnnnngn ggntatgngn gntngngggg ngnggnantng 240
 nntcggngnn gntnncnnt gtgggnntgn tntntatntn ggnnngattt cggg 294

<210> 1241
 <211> 285
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(285)
 <223> n = A,T,C or G

<400> 1241
 aattccgttg ctgtcggat cgccaccgtg ctgcagcacg aggagcgccg ctgccagtac 60

```

ctcacccggg aggccaagct gatcctggca ctccaggatg aggtgtccgc catggctgat      120
ggaaatgaag gtccctcagtc cccattccat cacatccctgc ccatttgctg cattgcccna      180
aacctnaagg aancttatga naggctgngn ncgtnagacg tantgcggtc tcacatnaac      240
anctggctng anntgagctt ttgcntgncc tacatgaacc actat                          285

```

```

<210> 1242
<211> 250
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (250)
<223> n = A,T,C or G

```

```

<400> 1242
aattccggtg ctgtcgaacc atccagatta gatgtcacca acagtgaagc cccagaaatt      60
cctttgaatc caattttggc cttggatgat gaagggacac ttggggccct gcctcaggta      120
gatggtgttc agacacagca gactgcagaa gttatatgag tgntanttct gaanaaccnt      180
tgctgacttt ttntgnnaan ttnttacant nannгнаaatt tctttcctgn tctatnngat      240
cantntctcc                                     250

```

```

<210> 1243
<211> 266
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (266)
<223> n = A,T,C or G

```

```

<400> 1243
aattccggtg ctgtcggaaa gggctaaaca tgtgaggcct ggagatagtt gctaagttgc      60
taggaacatg tgggtgggact ttcataattct gaaaaatggt ctatatcttc atttttctaa      120
aagaaagaaa aaaggaaacc cgatttattt ctcttgaatc tttttaagtt tgtgtcgntn      180
tttncggcng aactaanttc natncnttga ncttanctnn tangctnggn cctcnatnctn      240
tnatnntnctg nagagatcga nncnnt                                     266

```

```

<210> 1244
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 1244
aattccggtg ctgtcgaagt ggcttaggga tggggtagag tagttgactt atttggatga      60
aaaccactat cttctgtcag aaactcaaaa ggaatcattg ctggcatggt aacctaaaga      120
aaaacaacca gacaagtgcc caacgacact taaaaagggtg atttattagc ttgccaagtt      180
taggctgggc atggtgactc atgcctctaa tcccagcatt ttgggaggct gaggctggtg      240
gatcaccgga ggccaggact ttgagaccag cctgaccaat atggcgaaac ctgcgtccctg      300

```

```

<210> 1245
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 1245
aattccgttg ctgtcgcaat taaacacccc agtgtgaatg agaacttctg caatgaaaag      60
gaaggggctc agttcagcag tcatcttata aatcttctga accctaaagg aaagccagca      120
aaccagctgc ttgctctcag gactttttgc aattgttttg ttggccaggc aggacaaaaa      180
ctcatgatgt cccagaggga atcactgatg tcccatgcaa tagaactgaa atcagggagc      240
aataagaaca ttcacattgc tctggctaca ttggccctga actattctgt ttgttttcat      300

<210> 1246
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 1246
aatttcgttg ctgtcggtgg aagataacca caaggccgac atcagctcct ggttcattgga      60
agccatagag tacatcgatg ccgtaagga ctgccgtggg cgcgtgctgg tgcactgcca      120
ggcgggcate tcgcggtcgg ccaccatctg cctggcctac ctgatgatga agaaacgggg      180
gaggtgtggg aggttttnc aagtgttct gtagatancg tcannggac tagatattcn      240
acaggccnta acttgantct attgcnntg tctttatnan atgtacnttt tatattctgt      300

<210> 1247
<211> 287
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(287)
<223> n = A,T,C or G

<400> 1247
aattccgttg ctgtcgga aaattaaagaa gatgatgctc caagaacaat agcttgccct      60
cataaaggct gcacaaagat gttcagggat aactcggcca tgagaaaaca tctgcacacc      120
cacggtccca gaggccacgt ctgtgcagaa tgtggcaaa cttttgttga gaggtaaaaa      180
ctaaaacgac accaactggg tcatactggg gagtagccct ttctgtgctc gttctaaggc      240
tgtgggaaac gctttncnct gtcttcantt ngcncacnct tgtgcga                      287

<210> 1248
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 1248
aattccgttg ctgtcggccg agcttgacac cctcaacgag gactcctaca aggactccac      60
gtcatcatg cagctcctcc gcgacaacct cagctctgag acgagcgacc agcaggacga      120
cgatggcggc gaaggcaaca attaaggccc caggggaact ggcagcgcac gcggatgcta      180
ctactgcagt ctttattttt ttcccatgag ttgggggtcg ggtgggggag gtgtgggagg      240

```


gnatgacctt cccagggaga aacccacgac ctgtcctgnc tttgatcgnc tctttgacat 300

<210> 1249
<211> 291
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(291)
<223> n = A,T,C or G

<400> 1249
aattccgttg ctgtcggcag tttggggaag tctggatggg ttactataac aacagtacca 60
aggtggctgt gaaaaccctg aagccaggaa ctatgtctgt gcaagccttc ctggaagaag 120
ccaacctcat gaagaccctg cagcatgaca agctcgtgag gctctacgct gnggncacca 180
gggaangagc ccattnacat catcatcgat tacntngtna agnccantnt gntgaatttt 240
ntgnttannn atnanngcca nnannntnnn tctacnaaan nntatttcta t 291

<210> 1250
<211> 231
<212> DNA
<213> Homo sapiens

<400> 1250
aattccgttg ctgtcgggtt tggaggccct tgcttttctt catcatgagg gctatgtcca 60
tgccggacctc aaaccacgta acatattgtg gagtgcagag aatgaatgtt ttaaaactcat 120
tgactttgga cttagcttca aagaaggcaa tcaggatgta aagtatatc agacagacgg 180
gtatcgggct ccagaagcag aattgcaaaa ttgcttgccc aagctggcct g 231

<210> 1251
<211> 289
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(289)
<223> n = A,T,C or G

<400> 1251
tttggacaaa ccacaactag aatgcagtga aaaaaatgct ttatttgtga aatttgtgat 60
gctattgctt tatttgaac cattataagc tgcaataaac aagttaacaa caacaattgc 120
attcatttta tgtttcaggt tcagggggag gtgtgggagg ttttcannca ccacctgaca 180
cttttgctga agntgnagga canactgaac cggcncctga nctgngacct gatgccaanac 240
ganaatatnc cngagttggn gnntganctg nngcanntgg gctacagtt 289

<210> 1252
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1252
aattccgttg ctgtcggaga cacattacac ctaaccaaca agaagaagga tcctccccct 60
tataatttaa ctatgtttac agggaatgcy tacattgtgg cttcccagaga tttcgtccaa 120
catgttttga agaaccctaa atcccaacaa ctgattgaat gggtaaaaga cacttatagc 180

ccagatgaac acctctgggc cacccttcag cgtgcacggt ggatgcctgg ctctgttccc 240
aaccacccca agtacgacat ctcagacatg acttctattg ccaggctggt caagtggcag 300

<210> 1253
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1253
aattccgttg ctgtcggggg gatcaggata ctctgtctca cagacaccca tctcccccta 60
ccaaaaataa cgctggagtc ctcttccac cctgactctg cctctctgtc tgcaggagcc 120
tggctcgggt gctccacaga agctgtgcct gggcttggga gccaaaggcca tgtccctctc 180
ccggccaggg gagacggagc ccatccacag tgtcagctat ggccatgtgg ccgcctgcca 240
gctaattggg cccacacacc tggccttgag ggtgggagag agccagctcc tctgcagag 300

<210> 1254
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1254
aattccgttg ctgtcgcgag ttcattccatc aatttctga ctcgagttag tggcattggt 60
ccatctgctg caaggaagtt ttagatgaa ggaattaaaa cactagaagg ctcacagctg 120
gattcatgcc cagtaaaggg acacctgaat ggaactgagt cacttttaga cttaatatgg 180
gatgttatga caattcttaa gttaaaaaat gcagatctca gaaaaaatga agataaattg 240
aaccatcatc agcgaattgg gctgaaatat tttggggact ttgaaaaaag aattcctcgt 300

<210> 1255
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1255
aattccgttg ctgtcgggtg cctggctgcc ctagcaaggc agtagaccca ggctgcctt 60
ctgtgaagca agagccacct gaccagagg aggacaagga ggagaacaag gatgattctg 120
cctccaaatt ggcccagag gaagaggcag gaggggctgg cacaccctg atcacggaga 180
ttttcagcct ggggtggaacc cgcttccgag atacagcagt ctggttgcca aggtattacc 240
accttgctct tgactggaaa tgcaactgtg gttaccacct gtgctgcagg tccgtcctgg 300

<210> 1256
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1256
aattccgttg ctgtcggggg gatcaggata ctctgtctca cagacaccca tctcccccta 60
ccaaaaataa cgctgggctc ctcttccac cctgactctg cctctctgtc tgcaggagcc 120
tggctcgggt gctccacaga agctgtgcct gggcttggga gccaaaggcca tgtccctctc 180
ccggccaggg gagacggagc ccatccacag tgtcagctat ggccatgtgg ccgcctgcca 240
gctaattggg cccacacacc tggccttgag ggtgggagag agccagctcc tctgcagag 300

<210> 1257
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1257
aattccgttg ctgtcgggtg ttgacgagct cggcggcggt tttgctgaga tctgtggccg 60
tcggcagctg gtgcgggggg cagctgagag cgagaggtgg atcggggcgg tgtgtggcca 120
gggccatgac gggcaatgcc ggggagtggt gcctcatgga aagcgacccc ggggtcttca 180
ccgagctcat taaaggattc ggttgccgag gagcccaagt agaagaaata tggagttag 240
agcctgagaa ttttgaaaaa ttaaagccag ttcattgggtt aatttttctt ttcaagtggc 300

<210> 1258
<211> 252
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(252)
<223> n = A,T,C or G

<400> 1258
aattccgttg ctgtcgaata aaagcaaaca gaacactcca acttagagca ataacggctg 60
ccgcagcagc cagggaagac cttggtttgg tttatgtgtc agtttcactt ttccgataga 120
aattttcttac ctcatTTTTT taagcagtaa ggcttgaagt gatgaaaccc acagatccta 180
gcaaattgtc ccaaccagct ttactaaagg gggaggtgtg ggaggttttg ggatganaan 240
acnngtttcc ca 252

<210> 1259
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1259
aattccgttg ctgtcgcgtt cctgtctgag ccccaagcca cctcagggtc aagagcaaca 60
gggccaagag gatgaagtgg tcttggtgga agggcccacc ctcccagaga cccccgact 120
cttcccactc aaaatccgtt gccgggctga cctgggtcaga ttgcccctca ggatgtcgga 180
gcccctgcag agtgtggtgg accacatggc caccacactt ggggtgtccc caagcaggat 240
ccttttgctt tttggagaga cagagctatc acctactgcc actcccagga ccctaaagct 300

<210> 1260
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1260
aattccgttg ctgtcgctga aggtcatcag gcagtctgct gggcaaaaga caacctgtgg 60
ccagggtctg gaagggccct gggagcgccc accccctctg gatgagtccg agagagatgg 120
aggctctgag gaccaagtgg aagacccagc actaagtgag cctggggagg aacctcagcg 180
cccttccccc tctgagcctg gcacataggc acccagcctg catctcccag gaggaagtgg 240
aggggacatc gctgttcccc agaaaccac tctatcctca ccctgttttg tgcttttccc 300

<210> 1261
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1261
ccgcactata gaatacaagc tacttgttct ttttgagga tcccatcgag aaaaaactgg 60
ccatgcagaa gtcgtccgag tgggtgacca gccagaacac atgagttttg aggaactgct 120

```

caagggtcttc tgggagaatc acgacccgac ccaagggtatg cgccagggga acgaccatgg      180
cactcagtag cgctcggcca tctacccgac ctctgccaaag caaatggagg cagccctgag      240
ctccaaagag aactacaaa aggttctttc agagcacggc ttcggcccca tcaactaccga      300

```

```

<210> 1262
<211> 295
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(295)
<223> n = A,T,C or G

```

```

<400> 1262
acgtacatcc atacatgata agatacattg atgagtttgg acaaaccaca actagaatgc      60
agtgaaaaaa atgcttttatt tgtgaaattt gtgatgctat tgctttattt gtaaccatta      120
taagctgcag taaacaagtt aacaacaaca cttgcattca ttttatgttt caggttcagg      180
gggaggtgtg ggaggnnttn ntggatctgn ccgncnccn nangtncaen ncntgcnnngt      240
ggcngangnt ncntcaagc cctngnnttn ngntcctttc attgtccaac aatga          295

```

```

<210> 1263
<211> 256
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(256)
<223> n = A,T,C or G

```

```

<400> 1263
gctatctacg tagatccaga catgataaga tacattgatg agtttggaca aaccacaact      60
agaatgcagt gaaaaaaatg ctttatttgt gaaatttgtg atgctattgc tttatttgta      120
accattataa gctgcaataa acaagttaac aacaacaatt gcattcattt tatgtttcag      180
gttcaggggg aggtgtggga ggttgcccn tngcaaaggn gnnctaggct ctctngngna      240
ttnnnngttt tccga          256

```

```

<210> 1264
<211> 205
<212> DNA
<213> Homo sapiens

```

```

<400> 1264
gctatctacg tagatccaga catgataaga tacattgatg agtttggaca aaccacaact      60
agaatgcagt gaaaaaaatg ctttatttgt gaaatttgtg atgctattgc tttatttgta      120
accattataa gctgcaataa acaagttaac aacaacaatt gcattcattt tatgtttcag      180
gttcaggggg aggtgtggga ggttt          205

```

```

<210> 1265
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 1265
aattccgttg ctgtcgtgaa aaggcaggtc ctctgttatg aactatttca gagcaagacc      60

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cgtcacagaa	aatttaaaga	aattcaagtc	ccatataatg	tccagtggat	ggcaatcttc	120
agtgaacaac	tctgtgtggg	attccagtca	ggatttctaa	gatacccctt	gaatggagaa	180
ggaaatccat	acagtatgct	ccattcaaat	gaccatacac	tatcatttat	tgacatcaa	240
ccaatggatg	ctatctgcgc	agttgagatc	tccagtaaag	aatatctgct	gtgttttaac	300

<210> 1266

<211> 239

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(239)

<223> n = A,T,C or G

<400> 1266

ctatctacgt	agatccagac	atgataagat	acattgatga	gtttggacaa	accacaacta	60
gaatgcagtg	aaaaaaatgc	tttatttgtg	aaatttgtga	tgctattgct	ttatttgtaa	120
ccattataag	ctgcaataaa	caagttaaca	acaacaattg	cattcatttt	atgtttcagg	180
ttcaggggga	ggtgtgggag	gttttntnn	nnnnnnnnnn	nnnngntttn	ntnnnnnng	239

<210> 1267

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1267

aattccgttg	ctgtcgcttc	cattcagctc	ttggggtgaa	gccttattcc	tgatgctcca	60
gacgatcacc	atctgcttcc	tggtcatgca	ctacagagga	cagactgtga	aagggtgcgc	120
tttctcgtct	tgctacggcc	tggtcctgct	ggtgcttctc	tcacctctga	cgcccttgac	180
tgtagtcacc	ctgctccagg	cctccaatgt	gcctgctgtg	tggtgaggga	ggcttctcca	240
ggcagccacc	aactaccaca	acgggcacac	aggccagctc	tcagccatca	cagtcttctc	300

<210> 1268

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1268

aattccgttg	ctgtcgctac	cattgcaaga	ccccagattg	caagggatgg	tgcttctttg	60
aggatgatgt	caatgagttc	acctgccctg	tgtgtttcca	cgtcaactgc	ctgctctgca	120
aggccatcca	tgagcagatg	aactgcaagg	agtatcagga	ggacctggcc	ctgcgggctc	180
agaacgatgt	ggctgcccgg	cagacgacag	agatgctgaa	ggtgatgctg	cagcagggcg	240
aggccatgcy	ctgccccag	tgccagatcy	tggtacagaa	gaaggacggc	tgcgactgga	300

<210> 1269

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1269

atgaaatctc	tttcatccga	gcaggagaag	gtgctcttaa	acaagccttg	gcaaatgcaa	60
cattatgtat	tcttgaacct	attatggctg	tggaagttgt	agctccaaat	gaatttcagg	120
gacaagtaat	tcaggaatt	aaccgacgcc	atggggtaat	cactgggcaa	gatggagttg	180
aggactatatt	tacactgtat	gcagatgtcc	ctctaaatga	tatgtttggt	tattccactg	240
aacttaggtc	atgcacagag	ggaaaggag	aatacacaat	ggagtatagc	aggtatcagc	300

<210> 1270
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1270
 aattccgttg ctgtcggcaa ctcgaggag aagaccccg cccccaggct agctgcggag 60
 aaaaccaaga aggaggagta catgaagaag ctgcacatgc aggagcgtgc tgtggaggag 120
 gtgaagctgg ccatcaagcc cttctaccag aagagggagg tgaccaagga ggagtacaag 180
 gacatcctgc gcaaggccgt gcagaagatc tgccacagca agagtggaga gatcaacccc 240
 gtgaagggtg ccaacctggt gaaggcgtag gtggacaagt acaggcacat gcgcaggcac 300

<210> 1271
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1271
 aattccgttg ctgtcgagca ctgcgagatt tctgaaagga caggacgaag atcaagtgc 60
 cagtgttcc atagcacaaa tggggaacta ccaggaatac ctcaagcaag taccttctcc 120
 actaagagaa cttgatcctg atcagccacg aagggttgc atatttggca acccctttaa 180
 gctggataag aagggtatga tgatagatga agcagatgaa tttgtggctg gacctcaaaa 240
 taaacataaa cgacccggag aaccaaataa gcaagggatc cctaaaagac gtcggtgttt 300

<210> 1272
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1272
 aattccgttg ctgtcgatgc gaccaagggc atcactcggt gcctcctgaa tgaaacaacc 60
 aacaataaga acgagaagga gcttgtgcta aacacagaag gaatcaacct ccagagcta 120
 ttcaagtatg cagaggtcct ggatctgcgc cgcctctact ccaacgacat ccacgccata 180
 gccaacacgt atggcattga ggccgcgctg cgggtgatcg agaaggagat caaggatgtg 240
 tttgccgtgt atggcatcgc ggtcgacctc cgccatctct ccttggttgc tgattatatg 300

<210> 1273
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1273
 aattccgttg ctgtcgaatt ggtttggcac ctactacagg atgatccaga ccaacttcat 60
 tgacatggag aacatgtttg acttgctgaa agaggagaca gaagtgaagg accttcctgg 120
 agcagggccc cttcgcttcc agaagggccg tattgagttt gagaacgtgc acttcagcta 180
 tgccgatggg cgggagactc tgcaggacgt gtctttcact gtgatgcctg gacagacact 240
 tgccctgtgt ggcccatctg gggcagggaa gaggacaatt ttgcgcctgc tgtttcgctt 300

<210> 1274
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1274
 aattccgttg ctgtcggcat tcgcattcct gctctcttac ccccaacgtc cacagagctg 60
 gatgttcttc acaatgtcca agtggctgca gtggttggca ttggccttgt atatcaaggg 120

```

acagctcaca gacatactgc agaagtcctg ttggctgaga taggacggcc tcttggctcct    180
gaaatggaat actgcactga cagaaagtca tactccttag ctgctggctt ggccctgggc    240
atggtctgct tggggcacgg cagcaatttg ataggtatgt ctgatctcaa tgtgcttgag    300

```

```

<210> 1275
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 1275
aattccgttg ctgtcgagca gcggaagcgt gaggtgagg agcggcgccg cttccccctg    60
gagcagcgac taaaggagca catcattggc caggagagcg ccacgcccac agtgggtgct    120
gcgatccgga ggaaggagaa tggctggtac gatgaagaac accctctggt ctccctcttc    180
ttgggatcat ctggaatagg aaaaacagag ctggccaagc agacagccaa atatatgcac    240
aaagatgcta aaaagggtct catcaggctg gacatgtccg agttccagga gcgacacgag    300

```

```

<210> 1276
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 1276
aattccgttg ctgtcgctta cttctcacac ccagccatcc gctatcacc tcaggagacg    60
ctgaaagaat ttgtccaact tgtctgccct gatgctggtc agcaggctgg acagggtggg    120
ttctcaatc ccaatgggag cagccaaggc aagggtgcaca acccattcct tccccccca    180
atgttgccac cgccaccgcc accaccgatg gccaggcctg tgctctgccc ggtgccagac    240
acaaagcctc caaccacgct aacagaagga ggtgcagcct ccccccagtc accaatcctg    300

```

```

<210> 1277
<211> 297
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(297)
<223> n = A,T,C or G

```

```

<400> 1277
aattccgttg ctgtcggtct tgatcttctg acctcgtgat ccaccgcct cggcctccca    60
nagnctggg attacangcg tgagctaccg tgcccggccn catatnctt aatganaact    120
ttnttgaaan ccttcattat ttctgtgnet ttgganttag gnancagaga ttcataggta    180
ccttnagaan ganagaaatn tctctacnca natgagtcnt ccannccctg aagnnataat    240
nnaactgnnc tcactactcc aanctttaag aagctnnatg angctcattn taaggaa    297

```

```

<210> 1278
<211> 289
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(289)
<223> n = A,T,C or G

```

```

<400> 1278

```

```

aattccggtg ctgtcgggtg acccgccaag gcagcctctt cctccataga tggatgaacg      60
ctgtggccgc tgctcctgcc tgggccatgc cctgatgctg ccaacaccac tgctcctcta      120
tttataagnn ttagtacagn tgnatgacce ttcaatannt gaacagnnga tatgttcttn      180
acantaagnc nannnctnna tangaatnnn tcantgnant nnncataaat atatnccttn      240
ncnanatcna nncnttntna ntagannaann tcnttttatt nntattctt      289

```

```

<210> 1279
<211> 294
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(294)
<223> n = A,T,C or G

```

```

<400> 1279
aattccggtg ctgtcgagcc tgctgcccc caggtgaaat aaacagccat gttgctcaca      60
caaagcctgt ttggtgtctc ttcacactga ctcgagtga ctttgatgcc ntggctanta      120
tattttcant atntnttatn anattatntt tncntccttn ttnttttttn nnnnttttta      180
aagntntntt ttngntnttt ttnttttttt nntnnncttc tttttntnct nnattntctt      240
cmntatcttt nntantnctt ttctntnnnt nntgattnnt nttncttttt tgat      294

```

```

<210> 1280
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 1280
aattccggtg ctgtcggaag acaggtggcc atgaaacaga tggatcataga attgggtcag      60
tggttggtgag tgcagcaacc caagagtgtc ttatctgaaa taccaccagg aatgtctgga      120
cacagtagac aaagtttttt caactggacg ccttaggata catgcttcca aaaacaaagt      180
agccaaaaag aaaccagagt cacagaatat cagagccaaa ggaacatttg gaggtaatc      240
agtacctctt ccttttcaac ctacagggga gatagtggaa gagaagcagg gatgggtctg      300

```

```

<210> 1281
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 1281
aattccggtg ctgtcggaag agagcccgaa actaaacagg gaggaatcca ccatttagaa      60
gtctggcagg caaagaggac aagagagtgt caatgaagac ctcaaagtct ggagaaaaat      120
gacctttcat ggaataagaa gtatacctcc ttctacatgt ttttgtctta ctgacctctg      180
ataactggaa cacatgactc tgggtctgta gaaagtcaac tgatcaaact catcctcacc      240
atgcatcaac tggtcagact ggttttggga caaaaagatc tttcacgagc tggggacctc      300

```

```

<210> 1282
<211> 287
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(287)
<223> n = A,T,C or G

```


<400> 1282

aattccgttg	ctgtcgaga	atcttaactt	atcttaatga	tatttaccta	tcctttttgc	60
aactcacaac	tgactttgtc	acagaggtaa	tgcatctgct	tcaggaagt	agctgtaggc	120
tcagtacctg	ttgtttgagt	cagatttagc	agatttggtt	tttaagcttg	tgggtttgtg	180
ctaatttggg	cagaatatat	ttattatata	tgtgtgtgtg	tatgtgtgta	tgtgtgtgtc	240
tgcatacgna	ntacctgtac	atagacacac	atgcatgtgg	tcaccc		287

<210> 1283

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1283

aattccgttg	ctgtcgccag	ggctgagaag	ataaggctac	ttataggggc	gggaagcatt	60
gaagctggtt	tctggcccta	gcgctccctt	gcgatgagat	gtgggagcca	gtgtgtccct	120
gcctgtccat	cctgtgcacc	cccagctttc	cttgtcacct	gaaaccacct	ctgagggaa	180
gtggtggcgt	ctcagatgca	tgggcatgtg	gctggtcagg	tggcctccat	cccaggggtg	240
cccgtctgtg	tgacctccct	ctgggtgctg	tgggcttgct	ccaggggtgca	ggtgcaaccc	300

<210> 1284

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1284

aattccgttg	ctgtcggttt	cgccaatct	gttacctcag	tgttgccatc	ttcattgcca	60
aagcctcctt	ttgggatgtt	gtttggatct	cagccaggtc	tttatttgct	tgctttggat	120
gctacacatc	agcagttgac	accttcccag	gagctggatg	atctgataga	ttctcagaag	180
aacttagaga	cttcatcagc	cttccagtc	tcatctcaga	aattgactag	ccagaaggaa	240
cagaaaaact	tagagtcttc	aacaggcttt	cagattccat	ctcaggagtt	agctagccag	300

<210> 1285

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1285

aattccgttg	ctgtcgggct	gcagttccgg	ctacctgtgt	agtcagagtt	tccacagcca	60
ggtactactc	cgccagtgc	cctggacagt	aacaaaacat	ataaagccc	agcccaaacc	120
ccgccaccat	catagtgtgg	gaattttgct	gtcctcgtgg	atcttcata	cttgccacaa	180
ggttcaaaca	aagatacaag	ctggttttct	gaacagaaga	aagaggaagt	ctgtttactg	240
ttaaaagaaa	ccattgatcc	aagagttcag	gagtacttgg	aagttcgcaa	acagcacagg	300

<210> 1286

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1286

aattccgttg	ctgtcggctc	caggccactg	cgccaccg	ctgggtgctga	gcagaagcgg	60
gcagaagtgg	ggtctgcttt	caggacttca	tttccccac	tcgttccggc	cccgcagtgt	120
ccacgtctgc	cctttggtct	gagttaaaac	tcgatgctg	aaaagtgcga	gctctttcca	180
cgaggaggag	ccacacagg	tggcctccga	gggtgagtcg	ctctgctaag	caagggcagt	240
cgctgcacgt	cagcccgcag	gccaagggtc	cagcttatcc	tgggtgctct	gtgatcagaa	300

<210> 1287

<211> 292
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(292)
 <223> n = A,T,C or G

<400> 1287
 aattccggtg ctgtcgagaa ttcggaagaa gccgggaccc aagcccggat ggaagaagaa 60
 gcttcggtgt gagagggagg agcttnccnc catntnnann tttntttacc atngnctggn 120
 ctttcttcta cnnnnntnt atnntgngtt ntttttcttt nantcnnntt ttttttantt 180
 tttttnnncc nttgtttttt nttccttntn ttntntnttt tntntttntt ttntctnttt 240
 gttttnttan tacttttttn tnttcttttt ntgtttattg gntttttgtt ct 292

<210> 1288
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1288
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 ccagaacacc aggaagcctt gtgggaggcg tattgtccaa gatgatgcgt attgtccaaa 120
 cgactcagaa gaagtcattt ctgaagggtt gatcataact tccctagcca tgttttacct 180
 acagagaact tagttagaat ttatgagtac agtatgttaa attactttta gtgtacctta 240
 ggcagtgtat ttgttttgat acagagacaa agactatatg atccctgaga ctgtgtgcct 300

<210> 1289
 <211> 267
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(267)
 <223> n = A,T,C or G

<400> 1289
 aattccggtg ctgtcggttt ttgtctgggc ttgtctagca gtggaattct gcctgagttc 60
 atcatttttg tgactggtac ttgaagtga tcagatgatt aatttcatga taagagggct 120
 ttttggcgtg gtgaaataga catttatgga aaatgggata cccacattaa gcagggtgac 180
 tacctgttta ccatacaacc cacacaaagc caatacaact atggatgngc tttatatant 240
 ctgntgcctc tgcaaacatt gaccgtg 267

<210> 1290
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1290
 aattccggtg ctgtcgggac cactccagaa ttggccgctg gcggtatcat ggcgacccgg 60
 aacccccctc cccaagacta tgaaagtgat gacgactctt atgaagtgtt ggatttaact 120
 gagtatgcaa gaagacacca gtggtggaat cgagtgtttg gccacagttc gggacctatg 180
 gtagaaaaat actcagtagc taccagatt gtaatgggtg gcgttactgg ctggtgtgca 240
 ggatttctgt tccagaaagt tggaaaactt gcagcaactg cagtaggtgg tggcttttct 300

<210> 1291
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1291
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 taaattatta aaactattct gtagctcata gcatctccag cagggctaga gagttagcca 120
 ggaataatgt cccaaaggtc acagccaagc cagcctggca gagccaccct ggacactgat 180
 accactgttt gccaatgcca ttgatttggg ccctgggtgg tggcactaag ggctcactcc 240
 cctaagcctc tggaaacagg atttggctgt caccaccctc ccagggtgca tttttcttgg 300

<210> 1292
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1292
 aattccggtg ctgtcgcaat ggcactgctt atctccgaaa tgggtgtgatc gtctcctcat 60
 tgagcagcgg ctgccaccgc gctgtgggta gtgtgtgacc gtggctgtac tgtatagtga 120
 acatagtgg catatctttg tttgaagttt gttggtgact ccaccaaaact ggtgtgaaaa 180
 aagaaaaaag ctcaaaaaaa tccaaaaaaa gacaaaacac acaaaaaaaa tcctgcctat 240
 attttactca gtttcaaact ttattagtct atttttaatt ataaaaccag aaagctacaa 300

<210> 1293
 <211> 293
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (293)
 <223> n = A,T,C or G

<400> 1293
 aattccggtg ctgtcggcag atgacctcaa agcacaactg gagttggctc agaagaagct 60
 acatgatattt caggatgaga tcgtggagaa cagtgttacc aaagaaaagg acatgttcaa 120
 tttcaaacga gcccaggagg acatctctag acttcgcagg aagctggaga ccacagagaa 180
 accagacaat gtacccaagt gtgatgagat tctgatggaa gagantaagg attacaangc 240
 tcgctngacc tgnacngct antccatgng taattgganc tngntattca tat 293

<210> 1294
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1294
 aattccggtg ctgtcggagg gcaggagcat tcattctctgt ggccacatgt ttggtccagt 60
 gtctgacaaa taacattcaa cttgtaggaa caagtgatag cagagcatcc tttctcagga 120
 acaaggccca tcccttggtg agctgtccca ctggagtccc aggtccctaa cctgtggcct 180
 aggtagacct taggatttgc ctactgatg ccaatgagtt gctgctgctt acttttgaaa 240
 caaagtgttg gcatgttcca gctgctgca ttcaattgcc tttcagacag tgtggtgccc 300

<210> 1295
 <211> 284
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(284)

<223> n = A,T,C or G

<400> 1295

aattccggtg ctgtcggagg attcctaagg tgtcagcatt ttgtaaaggt accacaaagg	60
agaagttgat agggaaatcta attttagaat gtgccaaatg gtctgtgctc aacaatataa	120
ttgaactctc tcaactctac ctcaccattt ctttatctca aaattctgnc ggctttgtna	180
naccnncgat ntnntntntg nnnncnancnn gannnnncaa ncanttacnt nngntngccn	240
tgttntntnc tcnnnnctcg ncgttatntn atccnnncac atac	284

<210> 1296

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1296

aattccggtg ctgtcgggcc cgggctcaca gtggcacgac tgaatcctca gagtcggctg	60
gcttttgagc tctcacgatg ggggaggagg gggcgtttct ggttcgcagc tccagaggat	120
tgcgttcctt ccccatacc tgtccccac agtcacgctc tgccctgacg tgcagcattt	180
gacaagttac cccctcgcca catactactt ccaccacgt ccgagttaac tttgttctta	240
accttcttga gactaccctc ggctccagg tcttttttcc ccagttcatt tttgccata	300

<210> 1297

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1297

aattccggtg ctgtcgggaa aagatgcacc gattgctctt aagaggaaac tggagatgaa	60
agccttgagg gaattagaca gattttctgt tttgaatagc caacacatgt ttgaagtact	120
agctgccatg aatcacgat ctcttatact cctggatgaa tgcagtaagg tggctcctaga	180
taatatccat ggggtgtcct taagaataat gatcaacata ttgcagtcct gcaaagacct	240
ccagtaccat aatttgatc tcttcaaggg acttgcatg tatgtggctg caactttcga	300

<210> 1298

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1298

aattccggtg ctgtcgaagg agtcctccat ccagaagggc aatatccgac agagacagaa	60
gtgcctggaa tctcaaaggc agaacaacca agaaacccca aacctaaagt tgagcccctg	120
tgccaaggtc aaaggcgaag atgcaaagtc ccaggatatg gccttcacat acaccagca	180
gatectccag gaggagctgt gcctgtcagt catcacctg ttccctggcg cccagtggt	240
tcttgtcctt tgcaagaatg gagatgaccg acagcaatgg accaaaactg gttcccacat	300

<210> 1299

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1299

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aattccgttg ctgtcgaacg tacctgtggt ccctggatcc agtgctactg ctacaaataa      60
gatcactatt atcttcaaag cccaccatga gtgtacagat cagaaagtct accaagctgt      120
gacagatgac ctgccggccg cctttgtgga tggcaccacc agtgggtggg acagcgtatgc      180
caagagcctg cgtatcgtgg aaagggagag tggccactat gtggagatgc acgcccgtca      240
tatagggacc acagtgtttg tgcggcaggt gggtcgctac ctgacccttg ccatccgtat      300

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<210> 1300

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1300

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aattccgttg ctgtcgggtc cgggccagga gggtcacaga tgcaccacaa ggcactctgt      60
gtggcactgg gaacaggaat tctgggagtc agtctgcaag ggtgggtggg gttgtctacc      120
tgggagaagc ctttagagtg ggcgttgagc aggccattag ctctgtccct gaggaggtgc      180
atggggcgga tgggctctcc atggaaatta tgtgggcgcg aatggatgtg gctctgcgtc      240
cacctgggag aggacttctg gccgggtgcc gggcactctg catgaccctg gcagaatcga      300

```

<210> 1301

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1301

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aattccgttg ctgtcgctga agatcacaaat aaataaaaaca gttgctgtca atacaactcc      60
ccttattttc tctcaagtca cctggatcgt cctgaccccg ggaaccccg ctgcagcacc      120
aggccccctc cgtggagaaa agatggagcc ggattaagca cccagtgtca aggcgactaa      180
gacgccactg cccgcaggcc ctgccggaaa atactcagag agtgcagcag gcgccgcgat      240
tccttagaaa gtgctggcgt ggcctctcct gacacagaaa gccggctcct ggatgcttac      300

```

<210> 1302

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1302

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aattccgttg ctgtcgggtg gccagttcac actccgggtc agagtctctg gcccggtgca      60
cctgagaggt cgctctccga ctcccgcgtt ggacctctt gcgccattga accccctgat      120
ccgggggctt cggacccagc ggctcaggag atggatccag tccctggcgc tcctacttcc      180
caactgctcc tcctcccga tcccacagt acccgtcct caccgcgggc tgtgggtcca      240
atcagacttt cccctcggat tcctctctag gactgaacca agacttacc gaagttgccg      300

```

<210> 1303

<211> 293

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(293)

<223> n = A,T,C or G

<400> 1303

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aattccgttg ctgtcgctgc tategaactc atcatcctta tggaggtctt caggggcccc      60
agagacactg cagagagtgt cagggatttc cttcccaca acagaattgc tgagggtctg      120
ggaagcatgg agggaggaag cagaattgcg ggaccactgg cgcantgnnn ggatcangag      180

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ctatacttct tccngaactg atcnntgntn cctgcatntt ntgcacnagg nnnnaggatn 240
ancttntaat anannctgnt gtnnntcctn agnnantnnn gtnngttcta agg 293

<210> 1304
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1304
aattccgttg ctgtcggaga ctgaaataaa ttgtatagtt acttaactaa tgaagacatt 60
tcagaactct gggatgattt taatcttgaa gtagtaggtg gtatagtcac aaaaccattc 120
atccccctct tgattgtatc ttaattttct ggctttaagg cgacatctga gaggtaatgc 180
attctttttt atattgaaat cataaactat caccgctgc ttctctgagt tacttttaat 240
tttgcccttg ggttatgggt tggcggttcc ttctgtttgg ttttcagagc cccatgtcta 300

<210> 1305
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1305
aattccgttg ctgtcggaaa atattagcta ctcaaataag taggcttctg aaatagtttt 60
aactgcaagt gtgttaactt gtgtggtggt ttgaagccat tttcccaat aaagtattta 120
aacaccactt tatgtactga agcatgaaca gaaaaatcaa gagctgagca gaccacctcc 180
tttatgtagg caaaacttcc atcattttgg cttttgttct aaacagaact aaatgacatg 240
catagcatgg taacttacag atcgcttaat tggagtaaaa ctcagagtaa tagagggaaa 300

<210> 1306
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1306
aattccgttg ctgtcgcac agccctgctt tctcccgtc cgtgactttg catcagtgtg 60
catgaggatg attaaataat ttagcactta gccccctgct gtactccttg gcctggatca 120
tgaccacacc gaaggagtgc ccaccagcaa gagacctgga gacatcccca attcctgcaa 180
gcagaatctg ggaatgaacag tctgcatgcc tctcgccacc tgtcccaggg attcctggtt 240
ccacaagaca cttgggatct gcttgcacg catcatgcgt aactaatagt gcagaggaat 300

<210> 1307
<211> 293
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(293)
<223> n = A,T,C or G

<400> 1307
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gcaaaaacat gactaaattg gttaattatg gctaccgctt atgtttaaga gaatcctttc 120
actaacttaa attgatanca ttgtngntga tatnnacaat naatattntt ccnaaacnnt 180
nanttnacan ntatantnna nactnnnnnt nnatanntat ntatntntaa cnnttnnnngc 240
cnnnnnntat nttatttttn ttcnttnnng annnncngan tgnctttca tat 293

<210> 1308
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1308
aattccgttg ctgtcgcaga atatttttta ccgaatcctt acctgtcagc tctgtcttca 60
tcttcaaaaag atttagaaac aatagttact cttaagaaga ctatcagaat ctcaccacac 120
aggagagtg accattctag tctaaataac aaatatttga atggatgtgg agaaatatca 180
gtttcagaaa tgaatgaaaa gttcacaaact ctgtgttata ggaagtataa tgatgtctct 240
gatctttgca aattagaaaa taaacaatat tgtaggtggt ccaagaacca agatgacagt 300

<210> 1309
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1309
aattccgttg ctgtcgcagg gcctggtgaa gcacacagga ggctgccact gtggagcagt 60
tcgttttgaa gtttgggcct cagcagactt gcataatatt gactgcaatt gcagcatttg 120
caagaagaag cagaatagac acttcattgt tccagcttct cgcttcaagc tcctgaaggg 180
agctgagcac ataacgactt acacgttcaa tactcacaaa gccagcata ccttctgtaa 240
gagatgtggc gttcagagct tctatactcc acgatcaaac cccggaggct tcggaattgc 300

<210> 1310
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1310
aattccgttg ctgtcgccaa agtgctggga ttacaggcac gagccaccat atctttaaaa 60
atgtaataga atggaaaatg gcaaagcgcg ctgcttttca tagaagagac tatcgcatgg 120
gggttcttct gttgcccctg cctgtgctgc acgtcctgct tcacagtgtg aagcgcaact 180
cttgctgtgc cttattgtaa caggtatagg gtggatgctg ccatcatgaa gagagaggag 240
agctctttgc ttataaaatt ccgtagagtg gagaacaggg tgtgccggct taggagaggg 300

<210> 1311
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1311
aattccgttg ctgtcggatg gggagtcttg tggtacacgt ctggcctcag ccacagggtg 60
ggtgccggct ggtcagcagg tcacctgcca ccaggccctt cacctgcaga tgggctccat 120
cgctgtggc ctcgctggtt aggctaaagg gcagccggg ctctgcggg ttggagagct 180
catagcagga atgtctggg ccaaccagtt ctcacaggct cctcaggaga cagagcctgg 240
acttcgtgtc ttagcctcat acttcaggat taggggggca tttgtttaag ggtgtataag 300

<210> 1312
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (300)

<223> n = A,T,C or G

<400> 1312

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caggacgggc	tagatctcca	aggggtccat	aggcccttta	tctgtgtaag	agagtcctct	120
ttagcatttt	ccttcagacc	cccatccac	acacatgcta	gccgcgctca	gagcttccag	180
gggtactaga	ccctgtgaaa	ggccatttgg	gcctggcctt	tgtgtcgggg	gccccctctc	240
gccacacgtc	aggtctccta	acccaccct	ggccctagca	tcttccatca	gagactctgc	300

<210> 1313

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1313

aattccgttg	ctgtcgatgt	atthttgattc	tattaaggaa	tatgtcattt	ttatgacctt	60
agactttggt	ctttgttga	atcctttgaa	attggaatat	ggaagccct	ctatcccacc	120
attgtcagtg	ttgcataatc	ctagactctc	ttccagagtc	accctggggc	tgacttaaat	180
tctggggcac	aacttcaaat	ggctgttaac	gtttcccccg	acccaaaaca	cacacacccc	240
atgtctgaca	tctaagcaga	aagactgggg	gttggggagg	aagtcttggt	gttttttagga	300

<210> 1314

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1314

aattccgttg	ctgtcggcag	ccaggagggtg	ctggggccacg	cggcccggct	ggcctcctcc	60
ggctcctcc	tgagggtgtt	gtttcggttg	atcacctttg	tcttgaatgc	atttattctt	120
cgcttctgt	caaaggaaat	cggtggcgta	gtaaatgtaa	gactaacgct	gctttactca	180
accacctct	tcttgccag	agaggccttc	cgcagagcat	gtctcagtg	gggcacccag	240
cgagactgga	gccagaccct	caacctgctg	tggctaacag	tccccctggg	tgtgttttgg	300

<210> 1315

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1315

aattccgttg	ctgtcgaata	gagcaagtcc	agcctgagcc	tgtggtcggc	agtggagaag	60
agagggtcgc	agacctgagg	caaagggcag	cctgaacaat	caagaaccag	agcagccctg	120
gcacccgaca	cccaggagag	tgggctacag	gaagaggatc	tgagaccaga	gcccacagag	180
tctgcagaaa	ctagaggcac	aaggcacgag	gaatcacaaa	gcaaacttaa	gtgccgacat	240
caaagaaggc	attctcacc	tgtttctctg	ttctgggttt	ctccacattc	ctatagcctt	300

<210> 1316

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (300)

<223> n = A,T,C or G

<400> 1316

ttggccccctt	gggcacctan	aagctngcta	cgcaggactn	catcnngacn	aattccggtg	60
ctgtcgcggtt	gttgtcttct	aaacaaaaaa	atcttttccc	cgggtctctc	taccttcggt	120
tttttctctt	ttacctctca	gctcaaaact	cagaatccta	gacttttgac	tagctagtgt	180
aactcggtat	ttacttccac	taatgtctcc	tcccagttga	tgcccaggtc	tatcgagttt	240
gatcttattc	ttaagagata	gaattgggga	gtagttcttc	catccagtat	tgggtaaccg	300

<210> 1317

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1317

aattccggtg	ctgtcgtcac	aggagagtct	agttgtaaac	ccgaagcaag	gatggtagct	60
aatatcgag	cagtgtttgt	aagaggattt	ttagttgttc	atgcttaaac	agacctctca	120
gtattctcac	agagaactga	agcaattcat	tttcaagact	aacaagagca	cagcatctgc	180
atgcatgtcg	caggtatggt	agtgaatggt	gtgaagtagg	tggtcccatc	agttgtcatg	240
gttcacctct	gtccagactg	tgattgtgtg	actcgcagtt	ggcacttcag	caaagcttag	300

<210> 1318

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1318

aattccggtg	ctgtcgtcta	gtcacaaact	cgaaacctct	gatcatgttc	tgtagagtag	60
acccgctcaa	ctgatccaat	gcaaccaata	cagtattgga	agctttctac	gaacaaggca	120
cccagagagg	gctcggagga	agatgacagt	gccaacgggc	acagggagaa	tcgtgagctt	180
actgcacctt	cccagcaggc	agagtgagcc	cgtaggacaa	gagccccctt	tctccgtttc	240
ccatctgccc	tgacgccccg	aggaacgggc	cattctacag	acaagaggcc	tgaggctcag	300

<210> 1319

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1319

aattccggtg	ctgtcgtaga	atttgacggt	gtttgggtca	acttctctta	tattcatcct	60
gtccccatt	ccctataggc	tctaattgtt	gtctctggtc	acatgaggta	atgtgagttg	120
gatgcagttg	gatcagaagg	agtttttctg	agaagaaaaa	taaatcccaa	agcacaaact	180
gtactaatgt	tgggttctgt	ggtatcatct	ccatatccat	aaatcacatt	tgatttggat	240
gccactggaa	atttaattggc	ttaggaaggg	atgggtttca	tatgcagagt	gaaactttaa	300

<210> 1320

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1320

aattccggtg	ctgtctagca	gtggctgcta	cagggaaatta	ttcacatggc	agcaagagag	60
ccctggctcc	ctggaccagg	acattccctt	tgtgtgtgtt	ggaatgagag	caggaggagt	120
gctggtcaga	agccctctcc	cagggctctg	ggacttcagt	gttctcagac	aaactgggcc	180
gtcctctga	gctgggatgc	tgaccacac	ttggccccgg	ctctggcatc	cacaggacgc	240
tgcccttatcc	gtcatctcgc	tggggctggg	ggctagaggc	tgagcaggtc	acactgaaca	300

<210> 1321

<211> 270

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(270)
<223> n = A,T,C or G

<400> 1321

aattccgttg	ctgtcgtggt	accctcatt	ctgatgcagc	tcagacaggc	tgaccagcaa	60
gccagcgagg	atgaggactg	aggctcaatt	tggagacacg	ggcctatgtg	acctcagggg	120
gcagggcgng	ggagganttc	ncctctatgg	ggntcatggg	aacaggggng	ggngngactt	180
gcttgngggc	ctcattccat	gtgngcctgn	gcctggggca	tggacnntgn	taagcanagn	240
cagctgngag	gncnnattc	tncagacgtg				270

<210> 1322
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1322

aattccgttg	ctgtcggcag	gactcctatt	ggcacagatc	gaaaccataa	tagatactgg	60
ctcttctcag	atgaagttcc	aggattattc	attgaaaaag	gctgggtaca	tgacagcatt	120
gactaccgat	tcaaccatca	ctgcaaagac	cacacagtct	ctgggtgatga	ggattactgt	180
cctcgcagta	agaaagcaaa	cttaggtaaa	aatgcaagca	tgaacacaca	acatggaaca	240
gcaacagaag	ttgctgtaga	gacaaccaca	cccaaacaag	gacagaacct	atgggtttta	300

<210> 1323
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1323

aattccgttg	ctgtcggcat	atcccaagag	gacattgcc	ggatcagcaa	ggacatggag	60
gacagcgtag	ggctggattg	caaacgctac	ctgggcctca	ccgtcgcctc	ttttcttgga	120
cttctagttt	tcctcacccc	tattgccttc	atccttttac	ctccgatcct	gtggagggat	180
gagctggagc	cttgtggcac	aatttgtgag	gggctcttta	tctccatggc	attcaaactc	240
ctcattctgc	tcatagggac	ctgggcactt	tttttccgca	agcggagagc	tgacatgcc	300

<210> 1324
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1324

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tgaacatgat	cgtggctgtt	attgactctg	cacagctcca	ggagctggtc	tgccacgtga	180
tgatgggtaa	cctggttatg	tttcgaaaag	actcagttct	caacatactc	attcagagcc	240
tagactggga	gacctttgag	cagtattgtg	cctggcagct	ctttctggcc	cacaatattc	300

<210> 1325
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1325

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tctattggtc	ctggttatgg	gcacttatta	ccaggcagtg	gcgtaggggg	tagggcctgg	180
agtgaggtgg	ggattttaaa	gtgagcagat	gccagaggta	gtgagccaac	agcagggctg	240
tgctcttggc	ccccagcaga	gcatggttgt	atagtatcag	ctgaggattg	gttccaggat	300

<210> 1326

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1326

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gtgatccaca	tctgagacag	agagagctgg	accaggatag	gactgaagga	ggactgaggc	180
tgagagatgc	agaaagcgct	gtcaggggaag	gatcccttga	gatggcaata	ggacctctaa	240
gtaggcgtgt	aacagacaag	gggagagcgc	ccttctccac	aatgcaggga	ttttatcatt	300

<210> 1327

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1327

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gggctttgat	gggacttagg	gtatcacagg	tgtgctctgg	ctgttggtggg	gaacagactg	180
taggcagcca	gtgtggaagt	gcagggacct	ggaaggggtt	gactgcactg	gccctggaag	240
gccctggtaa	gaggtggtga	ggttgaaaat	aagggtgggg	gggccgggcg	cggtggctca	300

<210> 1328

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1328

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taggtctcag	ccactgtgcc	aggagctcgg	gactccctcc	ctccagaggt	ttctggaatg	180
cattcagcag	gaaaagctaa	aagaacagga	ctccaggaga	taagccaagg	ccaagtctat	240
cagaggggtga	gccagcagcg	ggaagggggac	cagcccttcc	cctagcgttt	tttctgcccg	300

<210> 1329

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1329

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gaggacggag	agctcagctc	tgtccctgcc	cagctggtgg	gtggcgtagg	ccaggatggt	180
gtggcagaac	tggaaagtcg	cctggaggag	gccctgtcag	ccgtaaaact	tgtggggccc	240
ccgaagcatc	gcttgaaata	cacagcttgg	gccaagata	aagcgtgtac	caatggcccc	300

<210> 1330

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1330

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tctgcgcctt	gcgcccggat	gacagcagct	ccgcccgcac	cgagatccac	ctgctcttcg	180
atcagctcat	ctccgagaac	tacagcgagg	gcagtggcgt	ggccccggag	gacgttagtg	240
ctcttcttgt	ccaggcttgc	cgactggtac	ctcttaatca	gaatcatctt	gtcagcaaag	300

<210> 1331
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1331

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ctttttgcag	gaccacagaa	ttagtaattt	aaatgatata	ctaaatttgt	gtatgggcat	120
aagtattacg	ccttcccacc	aggcaatttg	gactgtcttt	gaatcctgtc	tttgggtactg	180
tcttgacat	gttcttaata	tgaacctctg	cttcttcata	tggatcacac	tataccccag	240
acttaatgaa	tttcagtctc	caggagtgga	gcctgaacat	atgtattttt	agtaagacca	300

<210> 1332
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1332

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cactgttttt	gcactttacc	tccctaccag	cagctctttc	cagattgcag	ggcgagctg	120
gtgggaagct	tgagatttgt	ttcgactgc	cgtgtaatct	gtgtgcttgt	cactggggtc	180
tgcttctcct	tgagttggta	cagtgaata	tgattgaga	gtcccagggc	agtcattgcc	240
actgtacttt	gtgggctggc	ttgccttctt	tattatttct	tctttaaaat	aaaagaaaat	300

<210> 1333
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1333

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gggcccgtgt	ctcagatgga	agtgtcacca	aacaccacaga	tcgcccgtgt	cctgtctctc	120
tggagtggac	acaacctgaa	aaccaactgg	actgagcatc	cttctcctaa	aatctcagcc	180
agaagccacg	atggagggtc	ctgggaagg	aagagatgtg	aagatttctg	tgattctaaa	240
accttgggtc	tgectgcaa	cttctctctg	atcccagccg	agagctgtgc	acacgctage	300

<210> 1334
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1334

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caattgcaac	tcaacaagga	ctccagtcgc	caaggagctt	aattataatc	tagacactca	120
tacgtctact	gggaggatca	aggcagctga	gaagaaggaa	gcgtaatgta	gaaagcaaca	180

gaaaaaagga aacggaactt cttggctctt tttctaaaaa tgaatcagtt cccgaagttg 240
aagccctgct ggcaagatta cgagctttat aagttaaact ggtttttaaa aaaaatgatt 300

<210> 1335

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1335

aattccgttg ctgtcgaaaa aatctgtagc accgggcatg gtgcatgcct gtaatcccag 60
ccactcagga ggctgaggca gggaggatcc attgagccca ggagtccagc ctgggcaaaa 120
tagcgagaga ccctgaatct gaaagtaatg ataaataaa aagaatataa atgaggtctc 180
gttgatgctg gacaattcaa gaattcagac ttgaacctta aacctaggaa aagttacttt 240
gtatcaggat tctaacaatt atgcttcata tttgtgaagt cctttaaaac ataattttct 300

<210> 1336

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1336

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ccttggcagg tgccgtccac actccagcac tcaggagagg gcggtgcaca tcctcaaaaa 180
ctgaccacac tggcactggc gccaggtgg tgagtaggcg ggctgtggtc tgcagacaga 240
agctttaccc tgtgcacata cgaggagtaa ctcatttgag tgacgtcact ggactgcggc 300

<210> 1337

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1337

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aaaatctgag cacttaggtg aagggacaag caggtttatg tgtttaaaca gaaagaaggg 120
aaaaggatct atgtgatatg gtactgaaat tttgatccca atagaattca tttctcttac 180
gttgaatccc caatcataat taagccgtat acacagatta aattaacaga agcatttcac 240
ataaatgttg gtttcagtca tcaactaccc atgaattcct gcccaaggat acttaatcag 300

<210> 1338

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1338

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ttgaagagaa aaaatacctt gctggggcag acccttctac tgtggaaatg tgttaccctc 120
ctatcattca gagtgggtgg aactataatc tcaagttcag tgtggtgagt gacaagaatc 180
atatgcactt tggggctatg acttgtgcca tgggtattcg cttcaagtct tactgtccca 240
accttgctcg cactttgatg gttgatcctt ctcaagaagt tcaagaatat tataactttt 300

<210> 1339

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1339

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gtgctaggca gcctacaatt gtcagtttta ttccataggt acgttagtgg tcagaatgac	180
ttcttttttg atggcacaat tattttcata atattagatt gaattaagct ggtgagacaa	240
tctgacccta aaagattcag aaaatgacgc ttgatgtta gctttgaagc agggattcc	300

<210> 1340

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1340

aattccggtg ctgtcgggat tttccaagat aatctacagc cttttacgcc atctcttgtt	60
cctgttaagt cttcaataa tgtggcttca aagattttta aaacttttgt agataggaaa	120
aatttgggag ataatactat aaatatgcca ccattgagta ccacgatcc tagtgggacg	180
cgatccaaaa atatgcctat taaagataat gctttgggta tgtttaatgg gaaagtctat	240
ctgttggtgcta aaaaggggac agatgttctg ccacacaaa ttgaccaaca gaattctgtt	300

<210> 1341

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1341

aattccggtg ctgtcgaaga cttttatctt gctttcaggg aacttgcagg taaccaaaaca	60
gataagactt gatggatgaa ataaccacag tcagtgctag agttaatggg gtatgcagta	120
aggggtgaaat aaaataatga aagcccatag gtatttctaa gggggctttc tagattctac	180
gattgatctt tcatattttc taccttccac ttacaaaaa aaggcacatt agccagacat	240
cccaaatagt acattgtggg gagaggcctt ccacaccacc agagagacaa atcagaatgt	300

<210> 1342

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1342

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accccaaatg atctgcctgc cttggcctcc caaagtgttg ggattacagg cgtgagccac	120
tgcgcccagc cttgaggtag catactttct gaaataaaaa agtagattat gtccgaagca	180
gttgacctaa aaactgcctt ggactgacat ttgttaggtg gtctaagatg ttctcttcac	240
gctttgcaaa aaaatgagct tttttggagt ttaaattaag catcctctg gtgtgtttgg	300

<210> 1343

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1343

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gaatatggaa ttgtgccagt ttccaaatg cagagctttt tgtgggtgta tggactgaat	180
agaaagagga acaaccatac acccttctac agatgaaggc aagattttat gaaagcgact	240
tcattcgttc tcctctgcct ggtgttctt ctttgtaaac caggaccagg gagctttgaa	300

<210> 1344

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1344
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 gcgaggactt ctggccgggtg ccggggcact ctgcatgacc ctggcagaat cgagctgccc 180
 tgactatgaa aggggaagaa gagcatgcct gaccctccac cggcacccca cccctcactg 240
 ctccacctgg ggcctgcctc tgcgggtggc tgggtcctgg ctgactgttg tgactgttga 300

<210> 1345
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1345
 aattccggtg ctgtcgggac caagtgtctt caaagggtgt ggcagctgaa gagcgtgtta 60
 ggactctgca ggaagaggag aggtgggtgt agagcctgga gaagacactc tcccaaacta 120
 aacggcagct ttcagaaaag gagcagcaat tgggtggagaa atcaggtgag ctgttgggcc 180
 tccagaaaaga ggcagattct atgagggcag acttcagcct tctgcggaac cagtctctga 240
 cagaaaagaa gaaagctgag aagcagggtg ccagcctgaa ggaagcactt aagatccagc 300

<210> 1346
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1346
 aattccggtg ctgtcggggg ggtgaagggt gcctcttcca tgggtgtccc atgtttccat 60
 tcttcttctt gactccaggg ccacttgacc cctaaggggc cttctttcac tctgggtctt 120
 cagagtgtct cagccttcac ttccctttgt gtctctagaa atttacttac actcattatt 180
 ttccatctgg gtttgagatt gaacagggtt atctccccc ttactgcca ccccaaaaag 240
 cctgggtttc tggagcgtcc ctgcctttt catttttgc tccagaaacc atatacagc 300

<210> 1347
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1347
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 cgagaaaata ggtcaacaat ctgttggtgg gaaaccacct ccatgtaacc cactggatac 120
 agtcccttta atgtttttgc ttctaaattg taccttttgc ttctgatttc ttctccctg 180
 ctgtttcctg cccatcagag aggcctgata caagcaagtt tgtttacatc cctggggaat 240
 cttttacatc aaacttttgg gatccaaatc catctcctt taaatttcaa tctcagcacc 300

<210> 1348
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1348
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 acaacagaat catcaaaaat ctggccgttg atgggacctc agagtcactt gaggaagcaa 120
 catttgagca gcatctagga gccttctggg aaaagatgga gaaaactaaa gacgttaggt 180

ttattgcaaa ccaatcaatc atactcactg atcacctact agaggaaacc tgtgataaca	240
cttgtgggga gatttataga aagaagacgt atttgcacat caggatttta catcatgatg	300

<210> 1349
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1349	
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cagcctgtat ttaacaggcc aggaatgtat aatcctgttt tcagagagaa gcaccaaaca	120
caaggaacaa taacaaagac actgtggagt gtcctaagag gcttgagcgc gtcataaaat	180
aaaactgtac ccatgaatgg atgaccatgt agatgggtca cctctccttg cgacctaact	240
gaaccacacag tagaaccaca gtagaaacca cctccaagtg aggttcctac aagtctctgc	300

<210> 1350
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1350	
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gctatcttca agaaccggaa gagaccactc ccaccccccac cccgcccctg ctttcgctct	120
tctctgcaat ggggtctccg aaaggagaag actgcagccc tgtgaccctg gaggtttgcg	180
ctctcctatg ctgtctcaaa aaactgcctc cttctaggga agggcttcca aaccctcacc	240
ctgatctcac cttcagcctt acccgccagc tatgatccac tcgactgtga acttaaaactc	300

<210> 1351
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1351	
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catgaaatga aaccagtttt aaaacaacgg atgtcagagt tcctgaaaga ctgtgcagag	120
cgaattataa ttttaagat tgtccataga aggataatca acagattcca ctccttttta	180
ctctttatgg gccatccacc ttatgcaatt cgggaagtga acataaaca attctgcagg	240
attattagtg aatttgcact agagtatcgc acaaccaggg aaagggtttt gcagcagaaa	300

<210> 1352
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1352	
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aaaggaaaga ggctgctggg ttatgggtata gagattttca ctcgttaaga aagtaacaaa	120
gtaagggaagt aggattattg tagaaatatt attttacagt tcaagtttgt aaaacacagg	180
tgaaggtaat cggttggtggg tctcttcctc tgagatcacc aaattatctg tagactggtt	240
ggtagacttg gagagaccac ttgttcttgg acaacagtta gaagcatact gccctaagca	300

<210> 1353
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1353
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ccacctgaag gagaacgtcc ctccctccct tttgctcctg tcccgcacct tctacctgat 120
agatgtgaag cccaagccga ttgagatacc actcagtggg gaggtccaa agactgatat 180
tcttgtggaa ttacctactt tcaactgaatc taaagagaac atggtggatc ttgcacctca 240
actgaaggga actaaggatg aagactttat acagccgcca ccagttacat catcacccat 300

<210> 1354
<211> 217
<212> DNA
<213> Homo sapiens

<400> 1354
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tctcaacatc aaatgtgaca acagccatac aggcctttaca aatatgtaga ctggcctagt 120
ataagagaac agggagtggg cacatattta gcgcattgca atgggcataa atacctgaag 180
ttacttgacc cgtggaagag cccttgacag ccatata 217

<210> 1355
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1355
aattccggttg ctgtcgtaga aacctagata gccaaagtga acctgcaatc aagaatgaat 60
aagaatgagg ctatagtgat gaaagaagca agtaggcaaa aaactgtagc tttaaaaaag 120
gcatctaaag tttaaaaca aaggcttgac cattttacag gagctattga aaagcttact 180
tcccaaatta gagatcagga agccagggtg tctgaaacaa tttcagcttc caatgccttg 240
aaaagtcatt atgagaaaat tgtaatagaa aaaaccgaat tggaagtaca gattgaaaca 300

<210> 1356
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1356
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ctggaccaga aaaaggacac tagtgagaca actggcagaa tttgcataag aagcacggcc 120
tcggcctcgg gtggtggagt cactgctgag cccatgacgt tctgcttata ttccatccct 180
gcatttgga gtcgttcttt gccaggagga aagttaggaa aaaccagcaa taacaaaaca 240
gcagctctac tgacggagga ggaggagccc aggaggcggc tggtcagggc ccaggtgtgg 300

<210> 1357
<211> 288
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(288)
<223> n = A,T,C or G

<400> 1357
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aagatgcagc ccaggaggagg accatgtggg ggactggctc aggtagttag tccccacttg 120
gagcctctgt gatcccagac catcatggag gaggagctgg tactgaagcg ggtggccaac 180

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atcctcatca acctgtatgg catgacggcc gtgctgtcgc ggnccatccg ntccatccgt      240
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<210> 1358
<211> 300
<212> DNA
<213> Homo sapiens

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<400> 1358
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agttagatag tcctttcatt ttagctcctt gcattgaaat agcattgagg attaaatttg      120
tgtaagcccc acaaaattca aaattttatgt gcttttctga ccacttgccct tctagtggaa      180
atTTtaagca tattagagga tatgtttctg tgggagctga tcagaatggt actaggagta      240
caaaagaata tctaaaacta aaacacagct atatttcaga tcatactgct tcatcacatc      300

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<210> 1359
<211> 300
<212> DNA
<213> Homo sapiens

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<400> 1359
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atacctcaaa attctgttac gcctaggaga ggaaggagaa agaaaagaat taatcaggac      120
atactagaaa acaccagttc tgtggaacaa gaattacaga tcactacagg tagggaatca      180
aaaagattaa aatcatctca gctgttggaa ccagcagttg aagaaactac taaaaaagaa      240
gttaagggtt catctgttac aaaaaggact cctagaagaa ttaaaagatc tgtagaaaaat      300

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<210> 1360
<211> 300
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)... (300)
<223> n = A,T,C or G

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<400> 1360
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caagaaaaaa aaaaaaaaaat cancnttttt aaanccgatn tactttntat gttncntan      120
ntgggnaana cagnaatgag ngggtnaagg cattgngtcn aaaaatgng gggnnancct      180
gtngnacttg aangnaatcn ttcntaatt ttncncnta aananggnat taatanccag      240
cnccacncct gngaggaaaa attttgnaan gcccncnttt tacgggaaaa tttaaaaaaa      300

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<210> 1361
<211> 300
<212> DNA
<213> Homo sapiens

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<400> 1361
aattccgttg ctgtcgggtat gattgagggg atgctgggaa tgtgtgtaaa cacatacata      60
tgttgtcatg tgttacetta attgacctat acagttcttg agtacaagat taaaacctgt      120
ttctgagtat gtgattgtat caatgagggc tctttctgat gtaaattttg agaaattcaa      180
ccttagttgt tttaagtaag taaaaagaag gtttattgat catctgattg aaaaacctaa      240
ggcagggtta gctatagatg gtccacttgg gccagtttct tccccagcat cctccttcac      300

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<210> 1362
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1362
 aattccgttg ctgtcgcttt agcagatcat gtctctgcta ctccaatctt gtgtggagcc 60
 cttgtctttc ctactattgc tacaatagtt ggtaaattga tgttcagtag tgtaactct 120
 aatttcaaaa ggacaatctt ggggtgaatt gcgtttgttg ccataaaagg agcatttaaa 180
 gtttacttca aacagcagca atatttacga caggcacacc gcaaaattct gaattatcca 240
 gaacaagaag aagcataaaa ctgacttctg gttgttctgc agttctctca tccttatgaa 300

<210> 1363
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1363
 aattccgttg ctgtcgagg aagtagccgt gtctagcgt ctacaagaca cataggagag 60
 gtggcatcca tggccctgaa acgacaagcc catggtgcca gcgcattatc accaagtcac 120
 ttggcaagcg tttagcagac tactggtgcc tggatgatct gtaccgggag atgggtgagat 180
 gctatgtgga aatcggtgag aagcttccag aacgccggcc agaccagct accattgaag 240
 gctgtgctca gctaaagccc aataactacc ttctcgctg gcacacaccg tccaatgaat 300

<210> 1364
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1364
 aattccgttg ctgtcggttg ccttttctaa tagttcgtgt tttagaaatt cagaacaaac 60
 aatttctgaa tgctcctcag aacgccaaact caggcagaga atctcaccga aatagagaag 120
 aagctcatgc tcttgaaga aacagcccga ggagagccgc tgggccacat ctggccactg 180
 tccgcagcgc tgtcagattg ctggggccac atctggccac tgtccacagt gctgtcagat 240
 ccaaggagag ccgctggggc acatctggcc actgtccaca gcgctgtcag atgccgacca 300

<210> 1365
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1365
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 ggggtccagc tctcccaaca tccttgccag ctttgaggg aagaacagag tatgggtcat 120
 ctccagccct catgcctcgg aaggctacta ccgcctcatg atgagcctgc tgaaggacga 180
 tgtgtactgt gagctggcgg agaggcacat ccaacagatt gtgctcttcc accaggcagg 240
 tgaggaagga ggcaaggtga gaaggatcac cagcgagggc cagatcctgg agcagccct 300

<210> 1366
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1366
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 atcaattata aaagacctat ccctctttgt tctgttggtta tgataaatag ccaacttgat 120

aaagtgaag	gaaggaaatt	ttttgtttcc	tgtaatgttc	agagtgttga	tgagaagacc	180
ctatactcag	aggcgacaag	cttatttata	aagctgaatc	ctgctaaaag	tctgacataa	240
agagctgctg	gtgaactcca	tctcattctc	gccccctccag	aagaagcagt	tgtcccccaa	300

<210> 1367

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1367

aattccggtt	ctgtcgca	tccctacaaa	gcaggaaagt	atgcttggga	gaggccaagt	60
gagtggggaa	tcagcccaaa	gccaggcgctc	cagggtctcc	ctcacctgaa	gctgactttt	120
tccccacctt	ggacagaggg	cgggagatgc	catccccact	gaaccacagt	ctttcaccag	180
ccatattagc	tccccactcac	cccccgctgt	ggaagcctcg	gccgtcacac	ctgcagggcc	240
ggggcggtga	tggcctcagg	gatggcctgt	tcagctgctg	ggtgactcgg	gtccaggtgc	300

<210> 1368

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1368

aattccggtt	ctgtcggtgc	aagcgagcct	gacgtgtgcc	acgtcgtgct	ggaccgccac	60
ctggtcacag	gccagaatgc	cagctccacc	gtcccgcccg	tgcagaacct	gctcttcctc	120
tgtggcagcc	ggtgagggca	ccagggtggg	cacattcctg	ccacatcaga	gctgcaccgg	180
gtgcttttgc	ccaagctttg	accacacgtc	tgtcctgcag	gaaatgaacc	tgctgggtag	240
atgcaccccc	tgagacagcc	caggtgtctc	cagaggcagc	cccgtctcag	gcttcaggga	300

<210> 1369

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1369

aattccggtt	ctgtcggtt	tcgccatctt	catccctact	tactgtgctt	ccgtccctt	60
gggtcccagg	atcccactcc	ttcgatgaaa	ctcagtcttc	catctctgcc	tggtgcttct	120
gccctggttt	ctgtcact	cggcgccgtg	tctctgttcc	ccaaagtctt	gtttctgttc	180
tgtgtgccc	cctccccctg	cccccgttt	ctctttttta	agagacaagg	tctcggccgg	240
gcattgatgg	tcacacctgt	aattcccagca	cttggggagg	ctgaggcggg	tggtactctg	300

<210> 1370

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1370

aattccggtt	ctgtcgcagt	cttcctcttt	gtctcatcag	actgttatca	ctgagggtta	60
gatgagaaaa	tctcaaggct	gtctgtcttt	cctaggccag	ctcgtctggca	caaagccaag	120
aaggttcagc	tgaccctcgg	acagacagag	gtgaagattg	acctgccgtt	gcccattgtg	180
gcctccaatc	tgatgattga	gtttgcagac	ttctatgaaa	actaccaggc	ctccacagag	240
accctgcagt	gccctcgtg	tagtgccctg	gtccctgcc	acccaggagt	ctgtggcaac	300

<210> 1371

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1371
aattccgttg ctgtcggcag tctgtagtct cgtagggtgct gtgtcatatc tgctttctgt 60
ttggagctca gaattacttt ttaaggaatt actttttaag gattaaaaag atttgtgggt 120
gcttcgtggc tttgagaaga cagtagagca ttttcaggaa ttaatgaagg ggagagatgg 180
ctagaggaga gggtagaga gacttgagtt cttggctatg actatcaggt aaccaaataa 240
aatgccctgt ggaaatgggg accactgatg gaccacaggc atgctgcaca gttgatagct 300

<210> 1372
<211> 263
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(263)
<223> n = A,T,C or G

<400> 1372
aattccgttg ctgtcggtga atccaaatta agggatagtc cacaaaataa ctgacaatat 60
tctttagaag tgtcaatgtc atgaaaaaac aaagactgag gattcgtccc agattgagag 120
actaaggggc cactgaggact aaacacaaca tgggacctg gactaggaaa gggtagtgag 180
tgggacggnc annnnggggtg agagggaacng aaccanggnn nnnngcnatg cnannacggn 240
nnnnnnngcg ggcnnanaa nnc 263

<210> 1373
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1373
ccatcgattc gaattccgtt gctgtcggca tgtcccggtg gacagggtgtg gaagggactg 60
accctgccac ccccgggatc tccccaggct tctgagttgc tggcggtttt ccttccaact 120
gcagtccgc agtcctctca gccatgggccc acacccccgg gtctcagacc ccgtgtttgt 180
tttcatgcca ggaggcagct cagggaaggt caggagatgg ggtgttccca gtcatgcca 240
tggcatctct gctcctcgg gccccacctg cctcgccctg tggcctgagt cccttcagct 300

<210> 1374
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1374
aattccgttg ctgtcgggtca gaagttttgt ttaattctat ggtatttcta aattgacttg 60
tttaaataaa ttcagcaaatt ggatagcatt gttttttatt tgcttcaata tgggggtaga 120
taatagctaa agagccaagg atgaatttct tcaaatgact ttattctgtt agctttacat 180
agggtgttga ggattcctaa ggtgtcagca ttttgtaaag gtaccacaaa ggagaagttg 240
atagggaatc taattttaga atgtgccaaa tggctctgtc tcaacaatat aattgaactc 300

<210> 1375
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)

<223> n = A,T,C or G

<400> 1375

aattccgttg	ctgtcgggta	atgaataatt	tatggacact	gctggacctc	agtctcctca	60
tctgaaagat	gagtgggttg	agaagtttaa	tggttttcaa	atgctttttt	tttcagnctt	120
caaataagng	tttacgcnga	aggaccttnt	ntganntgnt	ntttgtaaac	nnnnnnntnn	180
gnttttntnc	cggnnncnna	cnntnggncc	cccttnanaa	tnnnnntttt	nggttttnnaa	240
atgagggacc	nntgaanggn	ntnaaaatnc	cnangttacn	nttnacnann	tnaaggaatt	300

<210> 1376

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1376

aattccgttg	ctgtcgtctac	actcagcctc	attcagttta	cagcatggaa	actgtatagg	60
acctccttcc	tatagaaatt	gaagacactt	aaataggaag	aaaattaaaa	tatacatattg	120
gatacatgag	tattccagtc	aaataatata	tataaaatac	cagatagagt	ataaaagaca	180
actgaaggac	aacagagtga	tgaaggact	ttattaggca	tttggtttg	gttatgattt	240
aaatttcaat	ttaattagaa	cgtttccatg	gcaaggaagg	aagcatggag	gactgtggaa	300

<210> 1377

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1377

aattccgttg	ctgtcggagt	gacctgttct	cctgagtgtc	ctagtgtctc	cagttgtcgg	60
ggggaaagat	gatggagggg	aacagaaact	ggacttgatg	tttgcggttt	gagaggcaag	120
aaaataaaat	aactttctac	ctctaaattg	aggcttagga	gtaaaaagca	ttttgtccta	180
aatattatcat	ttaaaatagc	atcagtaact	tttgagctca	tgtaaatcaa	gcattggcag	240
tcagagattt	tataggggaag	actaagtaaa	tccagtttcc	aagaacctaa	actgattgag	300

<210> 1378

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1378

aattccgttg	ctgtcgcctg	gattcaagtg	atcctccac	ctcagcctcc	taaagtccta	60
ggatttatagg	catgagccac	tgtgcctggc	cccctcatct	gatagaaaat	tagattttgc	120
tatgagccat	ttcctgaggg	ccaatttaat	actcgtgtga	ctcttcttag	agttaccatc	180
tgctttaa	ttcctctgtt	tttcacatc	ttggaaatat	atcattgttt	tgcaaatttc	240
tatatcta	at	tcagggttta	ccaggagctt	aataattaat	ggctacatag	300

<210> 1379

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1379

aattccgttg	ctgtcgaaag	aatcaacaa	ggcagtaatt	agtaaatata	aaatcctaca	60
tcagccaaaa	aagtctatga	attctgtgac	cagaaatctc	tatcacagat	ttattgatga	120
agaacgaag	gataccaaag	gtcgttattt	tatagtggaa	gctgacataa	aggagttcac	180
aactttgaaa	gctgacaaga	agtttcacgt	gttactgaat	attttacgac	actgccggag	240
gctatcagag	gtccgagggg	gaggacttac	tcgttatgtt	ataacctgag	tccttctgtga	300

<210> 1380
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1380
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 ttgtcctagc cttggggctc cccaagactc tgttcttgcc actgaggcta cttcttcctg 120
 agggaaaaata aatgataaca gctgataagg gcaggccatg aaaaaagagc agtccttagcc 180
 accccagcac catcactggc aggcctcccag gtgtaccctg catcacaaga gcttcccttc 240
 ttcctatttg ctgggagact aatcctcctc aataattctg tttagtattt acagtttttt 300

<210> 1381
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1381
 aattccggtt ctgtcgaaga aatcctgcag ctgaaacact tctctccaaa tgtcgagcat 60
 ctttatttat ccaaactctc ccacagtgtt tgtttaaaagg ggagcgctgg agagtaaaact 120
 aaatctttaca atgagcatat ggatggctat aattgctgag gtttgttttt ttttttcata 180
 tttgctaact cgctatatat aaaattgggt ttctatttta tagatttcac accctgaaaa 240
 ctgctaattt ttgcatgcat atgattttca catgaatgga tgaaaataact aaaatctctt 300

<210> 1382
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1382
 aattccggtt ctgtcgccgg gcctcaggct ccttcctact gtccgagggc caccaggccg 60
 ccgggggacct gctgcgccg gatgcgtctg ttactagagt ggagagtcta ccttcgtctc 120
 acatgtgccca caaaggatgg catggcccg gagggtccca ccacgtggct ttcaccccct 180
 gcaaagccag acttcgcca gcgacacagt gtcaagccca cagctctcca aggaggaaga 240
 tgggtccaggc tgggagcatc cccttagcag cagcctctga tcccttgaggc aagcaggagg 300

<210> 1383
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1383
 aattccggtt ctgtcggttt ttaggatca ctgggatatt ttccacaact tcctcttctc 60
 tagcacacac atctgttgat aggaaatatt tgagggtttt tccactacca aatgggagct 120
 tcatgttctt ggtgtcaaac actataaac tttgaccagc tgagctgtga ctgctgtcac 180
 atatctgagt cctgtgtgca cagtaatatc ctgggtcagg taaaatccag gtcttcaagt 240
 ttttaaggatt ttttgaagaa ttcgggcttc ttttaagacga tccatgccca aatccacaag 300

<210> 1384
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1384
 aattccggtt ctgtcggttg aggggctttt gaaaaagagg gtgccttact gtgccccaga 60
 ccaggacaat cagtatttct ggggaatgga gcctggcaca cacacatttc ttaaaagctcc 120

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cttggcaatt ctgaggagt gattacatgt tgtatgtagc tcgtaacgaa agaaatcttg      180
tctttgtctt cagaccccca ttctttactc atctcatgag ctccttcgag atccagaaac      240
agttgcatat ttcattagta aatcagttcc agagtcacat tttatttcac aagttagtcc      300

```

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<210> 1385
<211> 300
<212> DNA
<213> Homo sapiens

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```

<400> 1385
aattccgttg ctgtcggttag tattgtaaaa atgtatctat atgtttatcct acactaagcc      60
taagcttttaa tgaggatatt ggtacctgac tgtcctgtac ttggagcatc tgtccacttt      120
tgaatacatg taacactttg atgctcctgt ccccatgggt tgatgaagta cttaatacct      180
tgaatgctat atttattatc aaattttgaa tgaaatcact agcctaaata caagtgaagt      240
gtttttgaaa ttttcatcac ctttgaaaca cctagtattt ctgtagaatt ggattgagga      300

```

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<210> 1386
<211> 265
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1) ... (265)
<223> n = A,T,C or G

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<400> 1386
aattccgttg ctgtcgctgg gctagaacct cagtctagtg ttcaaaggag ctggcagaat      60
gggttgcttc ggcattggagg acccaaaaagc agagctccct ggtgctttgg gggagagtga      120
agcccttcat tccactcctc attgcagacc agctttcctg gtattcatgc actgcttttt      180
gtaacgcctc aaatgaaaagc cacagctcag ccaagtagaa gagagctcct aataaatgaa      240
ntcnggntgc ctttgaatnn ttnac

```

```

<210> 1387
<211> 300
<212> DNA
<213> Homo sapiens

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<400> 1387
aattccgttg ctgtcgattt cattgccttc tttagaaatt tgcttgatct tgggtcttgg      60
tcagggcaga aagagataat acaaggcttt ggtgatgctt agcatttttag aagaagtaat      120
gctgggtgga aatggatttg gcagtctcgt ttttcgcac attggaatgg gaggcctca      180
cagttggaga caggatgaag taacagagcg tggggatctg gattaacagg tggccattcg      240
cagaaaggag gctgcaaagc aagaggtggg ggcttctggc tgagcaggaa ggtgggagag      300

```

```

<210> 1388
<211> 300
<212> DNA
<213> Homo sapiens

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<400> 1388
aattccgttg ctgtcggttt ggtcttaggc taaaatccat gttttacgga gaattcaaga      60
aatttttaaa cttcaggtag aactgtgttt ttacaaatg tatagaaagc atagtgccta      120
atgcatggta gaaacatttc ttttaaggatg accggatggt gccgtatgta tttatggcac      180
aagcaggtgt tgtctaagca gtttctctgt ttgcttgta tagcagcatt tggaaactca      240
aacatgcttt catttacata aatagtttat gaagctttga caacaaatgt aaacagacac      300

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<210> 1389
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1389
 aattccgttg ctgtcggggg tcttagtttt caaactcttg caactctgtg aaaaatagga 60
 gcaaaactaga gagccctgga gattggtagt agggaaggga ggatagcagg aagtttgaaa 120
 aattagcagc cccggggcct aaaggaatca gctgtcatca ttttcatcat tattattttg 180
 gtttaggatgg cttgaaaatc agaacgtatc ttggtttacg taattgaggt cttaaagaac 240
 taagaacagt taaatagtca caactaccac cctctgactt acataatcat tgggtgtgggc 300

<210> 1390
 <211> 287
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(287)
 <223> n = A,T,C or G

<400> 1390
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 aaaaaaaaaag aacntagtc gtcngggaan acnttantgc ananacntgt gagngganac 120
 ctganggaan tgaanaggna aggagtgtg ctgatatnta ggaggaggan tnttccaggc 180
 anacggaaaa naggcccaaa gtntttgagg aaggggcntg ttggccntgt tcacaggaca 240
 gcgaggaggc caaagtgggn ggagcaaaga tcccaggggg agaggca 287

<210> 1391
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1391
 aattccgttg ctgtcggccc cgagtcattt ctgaccaccc cgttctgtgt cctcactctt 60
 gtccctgaat ggggccctgt gtggatctca gtgtgtgtgt ggtttctcca ctccctcccg 120
 ctcatgtccc acacctgcca tattgaaccg tttctgcact aatcttctcc acgggcacgg 180
 agtggaggga acgtcttggg aaaggggaga gcttgacctc catctagggt tcttttatct 240
 ggagaaaaag aacacttttg aactatgtaa tgcttcgccc tgaaaggcaa gctaacgcta 300

<210> 1392
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1392
 aattccgttg ctgtcgggtt tctgtgttca cagcctttgt taccttccga gccacccgaa 60
 aacctctagt acagacaacc ccaagggttg ttataagtg gttcctgcta atctataaaa 120
 tcagctatgc cactggcatt gttggctaca tggctgtcat gtttaccctc tttgggtctta 180
 acttattatt caagatcaaa ccagaagatg ccattggactt tggcatctcc cttctcttct 240
 atggcctcta ctatggagtt ctggaacggg actttgcaga aatgtgtgca gactacatgg 300

<210> 1393
 <211> 300
 <212> DNA

<213> Homo sapiens

<400> 1393

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aattccgttg ctgtcgtata cctctttgtt atgatactga taaattgtga tcttgagtc      60
gatcactgat tttctgtggt cagaggattc attattagcc tcttcacgga ttctatcttc      120
tgaaaccctt ttttctttct ttctattgtg ataaaaaaat cagcatatat gtgactaatc      180
taaagttagag attgattgtg tgagaccact gaaaacaagc atatgtgagt gattccatac      240
tgatttttgt tttaaaattg agcacgtttt aaaaattttg taaggctcgg cgtagtgggt      300
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<210> 1394

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1394

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aattccgttg ctgtcggggt gagagagatg gtgttctgga cacttccccct tgggtgccatc      60
atccctgttc ctcttttctt tcctctcccc tccccatgaa tgtggggctt gatttgtttt      120
accctttaag tgggctgaag atgtaaagct taacctcttc caaactagat gctttgaggt      180
tccagctgtc actgagaaca gcttggttagc tgggtgcagcg taccagcgtg cagaggcagc      240
attgttcagc tggagcctca ctgctggagc ctcactctacc agagggtctc ttcatactg      300
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<210> 1395

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1395

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aattccgttg ctgtcgggaa cactaatggc cctccctgga acagacacgg cgccccccca      60
cagaatagcc tcgatgcccc ctggaacagc ctcggtgccc cctggaacag cctcggtgcc      120
ccctggaaca gcctggtgct cctggaacag acacagcccc cccagaacag acacagcacc      180
ccctggaaca gcctggcgct tcctggaatg gccacatccc cccatccttt ctgtgctgct      240
ttaggcacat gcccttacgt ggttcgtgtc cagctctgtc aacaaggcca gtcacacaag      300
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<210> 1396

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(300)

<223> n = A,T,C or G

<400> 1396

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cacctcttgt tctttttgca ggatccntcg attcgaatc cgttgctgtc gaagtttatg      60
tatattttta aatattatta aaggaggttt gaaagtattg acatttaaaa agtcaacact      120
tagattaaat ttagctggta gttttaattt gggtttttagt taagagtgtg aggacatcag      180
gaaaactgtt tactactttg gtttttagcag ctgagtttta ctattccata atgtgttatt      240
tttaaagttc tctttttaag atcacagtga taccctatct tcaaattttt taaatatgtt      300
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<210> 1397

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1397

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aattccgttg ctgtcgaaaa aagttaaata atcaaaaatc attcagaaga gagtacctta      60
aaagacccat atacctctga gaatttagaa tgttacaaaa ccgtatttca taccaatggg      120
gaaaggataa actcttcagt gacgaatatt agaaaaagtt agttatacat ttgaggaaaa      180
ctataaaagt accaataatg agtaggaaat cacttctgca gtatttttgg agcattttcc      240
ttaagcatga cataaaagcc aaaggtcaca agggaaaaaa ctgatagatt tgtctgtgat      300

```

```

<210> 1398
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 1398
aattccgttg ctgtcgggtca tgtggtttat taaatgtctt cagattccag agataagaca      60
aggtggccac ttcacaaaga atccagaatc atgctcagta aagctcatta aaagccactg      120
cagctgagaa gggtcacagc ccttctttat agccacagag gcagcacaca ggggagggtg      180
gaagacacag ggaacgaga gaagaaggat aatgaggcct tgagggtgtt tgcctccaat      240
ttcaaggagc ttatcaggct tcattgtgca tttggggagg ggagcttttt gatggtgggt      300

```

```

<210> 1399
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 1399
aattccgttg ctgtcgtgga ggcttactaa ccaggtaagc cttctatgca tccacaccaa      60
aatcctgcag aatgtaagta agctctgctt tataagatgg gttcaccttc atcgcagact      120
gaaagtttca gtttttattt ttttcagaaa gcacgaaaaa ttatttataa tagtctggag      180
aaaaaacaca ctgtaatat tcaagtgtat gcagtagaat gtactgtaac tgagcccttt      240
cccacatgtc taggtccaa tgtctcctgt aggtccacct aactgtgtgt tttcaggagc      300

```

```

<210> 1400
<211> 257
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (257)
<223> n = A,T,C or G

```

```

<400> 1400
aattccgttg ctgtcgaaact ttctttgcct cctccccac agaagcacca gaccacctg      60
agccccagag cctcatgcca gcagctcctg gctgttntct acctgagget agagcagcag      120
ctgncanctt atagatgggg cgtatgntan ttaatnctnt nnnannntec tctnataang      180
tnngnttnnn nngngntntc ttttnaatac gatntgcncn nnctatnntn annanntntt      240
atncnntnn atctnna                                     257

```

```

<210> 1401
<211> 266
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (266)
<223> n = A,T,C or G

```

<400> 1401

aattccggtg ctgtcgact gaagttttgt tttagacact ttgggcttcg ctgattgaaa	60
acaccacacc aactgaaaaa tcaactgtgaa aaagaacctg gtagtactgt caatatcaag	120
taggattcat taattttctg acattactgg acaagatggg tcgtgccatt cagaaagctc	180
tttttcttctc ttcttcttctc ctaatacagt gaggcataca acgtagcctg ccttatggtt	240
aannngcntg nngactttat nnttnc	266

<210> 1402

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1402

aattccggtg ctgtcggtg cgcccggtt ggcccttctt ttagtagagag ttcatccgc	60
cctgaaatct tccgatcgt taataactcc tcaggtccct gcctgcacag ggtttttct	120
tagttgttg cctaagagta caccaaatgt gacatcctt caccaatata gattacttca	180
taccacattg tcaaggaaag gactagaaga attttttgat gacccaaaaa actgggggca	240
agaaaaagta aaatctggag cagcatggac ctgtcagcaa ctaaggaaaca aaagtaatga	300

<210> 1403

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1403

aattccggtg ctgtcgccg ccgcctctcc aagttcttgt ggcccccgcg gtgcggagta	60
tggggcgctg atggccatgg agggctactg gcgcttctg gcgctgctgg ggtcggcact	120
gctcgctcggc ttctgtcgg tgatcttcgc cctcgtctgg gtctccact accgagagg	180
gcttggtgg gatgggagcg cactagagtt taactggcac ccagtgtca tggtcaccgg	240
cttcgtcttc atccagggca tcgccatcat cgtctacaga ctgccgtgga cctggaaatg	300

<210> 1404

<211> 209

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> =(1)...(209)

<223> n = A,T,C or G

<400> 1404

aattccggtg ctgtcgccct aagatttctt gtgggccaag gaattaatta ttccaatcag	60
aaatggaggc cttacctcat ttgggcaaag attagtgtta gttattgaag atttactaat	120
aaatgatctg ttaaggaatt tagttttttt tggatatggt gttttggtt nngaaaacta	180
nggnatantt ataatagnta ttttttgaa	209

<210> 1405

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1405

aattccggtg ctgtcggaat gatcaacttg ttaactattg ctgagatgct gtgtaagaag	60
actgaacatt tgccatttgg tgatgtggaa gctgttgagc ttactaaat ggtttccacg	120
gagtggaggg gaaaaggctt gtttgagtgg cctcaaatga aattgggaag agagggaaga	180

gacagtgtga gtataaatgg ttccttttgg aaattcagta caggagagca aagaattata 240
 gatcgagggg tataaggagg gtcaataaat ttttaagagag gatccattat tcatcagttc 300

<210> 1406
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1406
 aattccggtg ctgtcgggtt ggtttatata taatgagga agaagatgat tacattattt 60
 ttgtcacttt gccatcattg tttagaagtc atagaaagaa tttttaataa ggccaataag 120
 tcttaaaact gagtacttgg cttagaagaa agtcaaaact ccttcctttt tgactaagtg 180
 gtttgtttct ggggagctct taatttctat ttttataatc attagcctat aaggaaattg 240
 tgtcttcctt gttctcaggg tgatctgctg accttggtca ctcatgaagc atttgggtat 300

<210> 1407
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1407
 aattccggtg ctgtcgttct agttaagtaa agaagcagcc ccataagcat ttttgtttgt 60
 ccgtaattgg ccctattgca gaaagaaaga aagaaagtgt ccctcaaattg cgtgagacag 120
 catggcaggg taggggtgtaa cagatgagtt ctgagcaggg aagggtgaatg aagcaagtgg 180
 atccttggaa agataaggta aagaaaggat gttagttgga aactagcaat caggaagggtc 240
 agctgctgcc tgggtctagg agagtggcag ggcagaggag ggcttggtctg gatattggtaa 300

<210> 1408
 <211> 293
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(293)
 <223> n = A,T,C or G

<400> 1408
 aattccggtg ctgtcgtatg gtctctggta cagaatagtt gatattaaca gaaaaaaaaa 60
 aatctgtagc ttcataaata tgccactctg ttaatttctt gttccagaca ttttaataga 120
 gattgcttga gccatgttgt ttgaattgct gccaatagca gaccatatcc ctatcatgtt 180
 gttggctcaa ctgttttttt ttttcntaa tanaaaanga gtatcnntgg gtngntnagg 240
 ctggcnttna actcengggc tnaagctatc ctcngcctn ggcctcccaa agt 293

<210> 1409
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1409
 aattccggtg ctgtcgaaat catcccaaac aacgcattat taccatatac atcaggatat 60
 taggagccca atatatgtat ccagattgag atcctcttct ttttgtatgt gtctggattt 120
 tgtttgctag ggttttcagg atttttgtgt atatatgcat gagatactca tctgtagttt 180
 tctttgtatg tctttgtttg gttttggtat cagggtaata ctgcctcaa agaattagtt 240
 gggaaatggt tccttctctt ctgttttttg gaagagtttg tgaagaattg atcattcttt 300

<210> 1410
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1410
 aattccggtg ctgtcgctct ccgcagtgag aacctgcctt ggctcccctc ccctcaagga 60
 gttcatagcc gtgggagga gggagacaag aactgttgga gacaagaact gtagagacc 120
 agagagcaag ggcgtgatgt ggtctgcagg gaggaggctg tctgaggcag aaccgggtca 180
 gggaggccat ggtgcgggta ccctccagge acggcatttg gcctgacttt tgaggggtgc 240
 ccagggttgg ctacatggcg gggcggaggt atctttagtg ggggaacagc gttgtgccac 300

<210> 1411
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1411
 aattccggtg ctgtcgtaaa aataaaataa aaaataaatg tgggcaaaaa tgtgcagtgt 60
 gcagattcag catcagatac gtctggagtg cctcgggcat attcattgct actgttgatt 120
 tegtgtcctt gtttctgccc taaatgtgtg ccacactgac gaccacagtg tagcccttag 180
 tcccgtctcc atcraatctc tccctcatcc taaaggctca gtctccagaa caaatcctac 240
 attgtctacc tgtcacctct gtcttagccc aggacacccc ccactccctg gacacctgct 300

<210> 1412
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1412
 aattccggtg ctgtcgaaca atttttagag aagaagaaag agaataaaaag actgaaaagg 60
 aaacagaagg ctcttgctga agaggccagt gaagagggaac tccctctga tgttgatttg 120
 aatgacctat actttgctga agaagttaa caaataggta taaataaaaa atcggtaaaa 180
 tctgcaaaaag atggcacatc tccagaagaa gaaattgaaa tagaaagaca aaaggctgaa 240
 atggcctttg ttatgatgga tgaggacgag gacagtaaga aacacttcaa ttacaacaag 300

<210> 1413
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1413
 aattccggtg ctgtcggaaa catgaaaaag aaaatgaaga attcacaggg caactaaaag 60
 tggctaaaga tgttgaaaaa ctcatgggac aagtggaaat ctgggaggca gaagccaaat 120
 ctgttttgga tcaagatgat gtggacacct caatggaaga atctttgaag catcttattg 180
 ccaaaggctc tatgtttgat gagcttatgg caagaagtga agatatgtta caaatggata 240
 taaaaaatat ttcaagccag gagtccttcc aacatgttct cacaactggg cttcaggcaa 300

<210> 1414
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1414
 aattccggtg ctgtcggtag actgagatca gtgtgtaggg gtgaagcaag gagtcctact 60
 ctgtttgact aaggtaaaaa ttaagaatca gtgagaaatg gaatttgcaa aagtgcctgc 120

cagataatgt tagaactgga ccagaaaata ggagttggta taaaactaga ccagcgagct	180
ttttttcctt caagatgcag ttcagtttat tgcttttgta aattagagat tgtgtttcct	240
gatctttatt aaagtagaat acaatgttaa cctacttcaa attttaaaaa atatacacac	300

<210> 1415

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1415

aattccgttg ctgtcgggtt tgtacgcacc gttttctctc tgtgctatgg gagatgtcaa	60
ggaatcaaag atgcaaataa caccagaaac tccaggaagg atccctgttt taaatccttt	120
tgaaagtccct agtgattatt ctaatctcca tgaacaaact ctgccagtc cttctgtttt	180
taaatcaaca aaattaccaa atagataaag atgtggaaga caaaagacaa aaagccattg	240
aagagttttt cactaaagat gtcacgtaac cctctccttg gactgatcat gaagggaac	300

<210> 1416

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1416

aattccgttg ctgtcatgct gaggttggtta aacaggcccc atgtagctgt cccacattg	60
gggtttgctt tctacttccc aggtgtttct cagcgtgaga gtttagtttg ctttgtgctg	120
ctggacaggt tccctgcagaa tggcctgttg tacgagtttt aagaatttaa atcccattac	180
acagccctga cttcttattt gctagttctt tccatcattc atttatttta tccacttgga	240
gttagtctgt ggctgccatg tgtttgtcag gtggcagagg atgagagatg gatgaaaagg	300

<210> 1417

<211> 289

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(289)

<223> n = A,T,C or G

<400> 1417

aattccgttg ctgtcggcaa gctcgggggt caaaccgaaa catgcaattc actaaaatct	60
ttcaggaaaa aatgacttta aatactgtca tcataatccc actttgtacc tccttctctt	120
ttcatatcca tgtcgaagtg gaagttaaca aatccctgcc cccagagagc tgcccaaagc	180
atcacgtttt agaaactgtc ccagaatttc caaactcatc caaaagcaag tgacatcaag	240
tcagatatcc ttggtgctag aaactcagaa aaaaaaaaaa ngggggggtc	289

<210> 1418

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1418

aattccgttg ctgtcgaaaa catattagaa ctaacaaact tacaatggac atttaatagt	60
ggttttcctt tctattctat tttttaaaaa gtaaatggag taaatgataa aatgtagact	120
gaatttatca taaagacatt ttcttttggg atactgcaag gaactatgaa ctttttagtaa	180
ctactataag caactgacag gaaaaaatgg caacagaaga aggaaagagg agagaatggg	240
gagcagacac taaggtgtag tgaaaggagg aaaatgaagg ctaagtctaa tgatgtgaat	300

<210> 1419
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1419

aattccggtg	ctgtcggctg	aaaatgaaag	cagacctaga	agaagtccaa	agtgcctttt	60
acaacaaaga	gatggaatgc	cttagaatga	ctgatgaagt	cgaacgaacc	caaacttttg	120
agtctaaagc	attccaggaa	aaagaacaac	tgagatcaaa	gctggaagaa	atgtatgaag	180
aaagagagag	aacatcccag	gagatggaaa	tgtaaggaa	gcaggtggag	tgtcttgctg	240
aggaaaatgg	aaagttggta	ggtcacccaa	aattttgcat	cagaagattc	agtcctagt	300

<210> 1420
 <211> 263
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (263)
 <223> n = A,T,C or G

<400> 1420

aattccggtg	ctgtcgaaa	ccgattcatg	tactgatgcc	aatcagctag	agcaatgtag	60
gcttttttta	atttaaatta	ttactacact	ttattactac	acttgcagaa	aagaaacatg	120
ttaaaatcat	ggcacacctg	cagaatttna	tatgacagag	tgnnananc	atgtattcnt	180
gnntntanaa	tancnttntt	ncnctacntc	ttntnttttc	tnanannata	tctantantt	240
nttnagtctn	tnnttcnana	aat				263

<210> 1421
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1421

aattccggtg	ctgtcgcagc	cacaaagctc	ctgcccattg	ggcgctctga	ggggcagact	60
gcctgttggc	ggagtcttgt	ggggtggaaa	tggtgaggtc	actgtgatgc	cactttgtct	120
agtcacggc	cacagggtca	cctggagaag	agcatgagct	cagcataaaa	gcaaggccca	180
ccctgcaggg	gccagcagct	gggagctgtc	cactaaccac	tatccttgca	gctggacagc	240
gagggccctc	caaaaggccg	tctccacctg	ccaccgggaa	aggacccgga	gcgaaggatg	300

<210> 1422
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1422

aattccggtg	ctgtcgatta	tagccttcta	taaaacttat	aaaacttgct	tgtaaaattc	60
catatagaga	ttgcaactga	gagttggtcg	taaaactaaa	aataattgtg	ggaacagagc	120
aggtcaaaac	tcccatgatt	gatctaataa	tgggaattata	ctggtaaaaa	gccactgcac	180
ttcagcctgg	gcaacatggc	aagactctgt	ctctaaaaag	agacaaaaaca	gcataaaaat	240
atgcttgata	taaactctag	ccctcttcta	gttatttgtt	catttgtaga	ttttcatttc	300

<210> 1423
 <211> 274
 <212> DNA

<213> Homo sapiens

<400> 1423

aattccgttg	ctgtcgagac	tttgatggtt	atgaatggaa	ccaagttact	gagtttagagc	60
attttcta	taaatatgaa	ataggagctg	aaggcataat	ttattgatta	gaatgacaga	120
aaatgtttt	atgctgtaca	tgccttttga	acatttttca	aaatacttgt	aactttgaag	180
aaagtgtgt	tattgttaga	aggctgtaag	gagagcaggt	ctctgctctg	gtggtgattt	240
tactcaagag	gggatgtgaa	tatttatatt	tttg			274

<210> 1424

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1424

aattccgttg	ctgtcggaga	aacccaacac	atgtaaggaa	gattagaatg	tatgcaattt	60
tcctagtcc	cttctaaaac	ttagaaggac	ccgtcctggg	aaagaacgtc	ataaaatagc	120
aaaaatgtg	tagaacactt	tattttccca	gccgttttca	aatatatatt	tatcagtggg	180
tcattgttaa	agaaggtgtc	tatactttag	attttcagtt	ttttgcaggg	aatcatggag	240
ctgagaattt	cacagatact	ttataagcca	tagtacatga	gcttaatagg	ctgtgttttg	300

<210> 1425

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1425

aattccgttg	ctgtcgatta	tatgccacct	gggtttacag	tgtagtctct	tatcaggtag	60
gtttgttctg	agatgtatag	taatgatgac	tttcttcttc	gccaagtat	tttgtgtacc	120
ttagaccagt	ttagcaaatg	aagtccaaga	actatttgaa	taagtcattc	ttagaaaata	180
actttaggaa	gcaactgact	ccattcatgt	gtatgcctct	aattgtaggt	tcacttctgt	240
ccgaatatga	atttttaaaa	taatttttagc	attatattag	caatttgcaa	tataccattt	300

<210> 1426

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1426

aattccgttg	ctgtcgcaaa	aggggaaaaa	agtccaggtc	agcataagtc	attttgtgta	60
tttcactgaa	gttataaggt	ttttataaat	gttctttgaa	ggggaaaagg	cacaagccaa	120
tttttcctat	gatcaaaaaa	ttctttcttt	cctctgagtg	agagttatct	atatctgagg	180
ctaaagttaa	ccttgcttta	ataaataatt	tgccacatca	ttgcagaaga	ggtatcctca	240
tgctgggggt	aatagaatat	gtcagtttat	cacttgctgc	ttatttagct	ttaaaataaa	300

<210> 1427

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1427

aattccgttg	ctgtcgctgt	cagcgtttta	gctgatgaag	aattccttcc	cttcaaagaa	60
aatacatatt	acctggtggt	tagcagttta	agtttgcat	gggtgaatga	ccttcctaga	120
gcacttgagc	agattcatta	tattttaaaa	ccagatggag	tgtttatcgg	tgcaatgttt	180
ggaggcgaca	cactctatga	acttcggtgt	tccttacagt	tagcggaaac	ggaaagggaa	240
ggaggatttt	ctccacacat	ttctcctttc	actgctgtca	atgacctggg	acatctgctt	300

<210> 1428
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1428
 aattccgttg ctgtcgctca actgaccgtt ggatttgcaa tgtggacctg aagagtaatt 60
 gtggtgaagt tgtgagaatg aaactgaagt gggttcaaga aagaacgaga ggagagaaaag 120
 tggagtttga gtataaataa ctcttttga gaggattggt gtaattgaat ggcaggggta 180
 tgagatttga ggtcaaggaa atatttttat tattttttac gatgagagaa attgtagtac 240
 acatgtatat ttatgggaat gactcagtag aaagaccaa aatttcatat gtgagagaag 300

<210> 1429
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1429
 aattccgttg ctgtcggcag aggggagaag gtgtcccagg aggagccttc ctggagggga 60
 tgatagtcca gcatgttctg aagtgggagt aggggtcggc aggagtaggg taccagagaa 120
 tgagtgaagtc aggcagcagc ctccactgcg ccttggacac aggtggctga cagtgtccac 180
 ctggactggc ttctgacccc ttctgaggtc acagtgtgt cccttgaaaa cttgggcagg 240
 agcacctgac tggcccagct tgggtcatcc ctaggcccag cagtgcggga ggccaggaaa 300

<210> 1430
 <211> 270
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(270)
 <223> n = A,T,C or G

<400> 1430
 aattccgttg ctgtcgact gatttactcc ctctcttccc cactccctgt gaggtctgggc 60
 tgaggcacgg atccctgggc cacagagcaa gtctccaaat cagacagctg cctcagcccc 120
 tgggatgtgt gatttcagct cctgtcacct catgcaaggc cgtggagacc agtagagggtg 180
 tggaggccag gcagagagag gagcctgctc tgaggggtgc ccannntnat ggnactgtc 240
 cnttcantta gcctgnctan gnccctgag 270

<210> 1431
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1431
 aattccgttg ctgtcggtaa tgtttcactt cttgaaccat gtaccaaatt tgccaatttt 60
 ctgtccaagt gtttcagatg aataacaaa cgtgtttcat tgaagctttc gccacctttc 120
 ttaaagcagc gtatgttcca agggaaaaag gcattgaaaa gcaatcgttt gtttttatga 180
 agaatagggt ttcagattcc ttcagttttt ttgaaattag aaatttctta ccttatgtga 240
 aatattcaca aacgtgcaca cttctgcaga gacaaagcat ttcactgcac gtgtaccagg 300

<210> 1432
 <211> 300
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(300)

<223> n = A,T,C or G

<400> 1432

aattccgttg	ctgtcgaagg	aattctgtgg	ctgtgctgcg	tttcagaaaa	taacccccag	60
aggccttggg	ctgtggacct	gggggttgga	aggatggggg	ctcatttaac	cctcagaggc	120
agcgcttgg	tctgtctatc	tggtgacaag	agagagacaa	gtaaatgggg	gccgttgga	180
cggcggtgc	ctggagggca	gctctgggct	catcgggcag	tgcttagagc	acaggcccct	240
ctgttggggg	atggggagga	gagcagctcg	cccttgggan	cgtatgcccc	anggagactt	300

<210> 1433

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1433

aattccgttg	ctgtcgggct	gactcctgct	tttttggagg	gtttaacttc	tctctcagct	60
agaaggttag	gcattgcaaa	taccagtga	taattttttt	cttagcttta	accccagccc	120
atttcaaccc	cctctttgcc	ctttgtatat	tcttttgaaa	atatgatcca	gtagtgttta	180
tgaatgtgtg	ttgtgtaaaa	tttagagatt	gatgttaaac	aacagaatta	aaggacaaa	240
ctgtcttttt	tggttgaatt	ggggatggga	gagcagctca	aagtgggaaa	tatggagaaa	300

<210> 1434

<211> 299

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(299)

<223> n = A,T,C or G

<400> 1434

aattccgttg	ctgtcgcttt	ttacaaagaa	aaatggaaaa	actttgtatg	gtagcttcat	60
gttgaagtgg	ttttttgttt	ttgtttttgt	ttttttaatt	tgtaaaatct	ggaaagttag	120
cttgttctaa	taggggctat	gctctgcaat	tccttttttt	tttttttttt	ncntnccn	180
aagcnaaaacc	ntnannaaan	nnngngggn	tnnaangng	ggccgnnttt	tcnccngtn	240
ggnatnnnan	ntaaggggnc	nnngnaaaac	caaancnct	ngaaaancnn	nggagggcc	299

<210> 1435

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1435

aattccgttg	ctgtcgggta	ctgtgaatgg	agagcttcag	ctaagaggag	gctctgtccc	60
ttttcagagc	caaaggaaat	aatacaacaa	aaaggaggct	tctttggaga	cctaagtcta	120
ttggatgtaa	acaagacgtt	gtatttaggg	atgttctgtg	ttcttttctt	ttttgaagtt	180
gtcatcaatt	gctttactaa	gatttttaaa	tagtgaaaac	ctcctgttta	gactttgggtg	240
gaagatgaat	caaggaagca	gggcctgtc	ttatgggtca	cgtgtctttg	gtgagtgaga	300

<210> 1436

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1436
 aattccgttg ctgtcgattt tatatgtttt ctctatatatt tcttggtttc atccaggact 60
 actagattcc agtaagaata aaattaaaca ttagagggtt gtcttccatg ttgtttaaga 120
 aaattagttt ccctttttta ataattacta atatttgaag attatgaatc ataaattaat 180
 cacaagtgcc atacctatta ttttagaagc aattgagcaa tataaatggt cttcagtttt 240
 accagtctt gatctgtagt aaattccagg ggtgggtggg tctgtgaaat aatgaagaaa 300

<210> 1437
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1437
 aattccgttg ctgtcgggtca aatttcatca ggtaagaagt gctaaagtga acctgtaaac 60
 tttgtttcaa aaaacaaaaa ccgaagttaa agaaatctaa agatgggtgc agccttagac 120
 agatctctgg actgtaatct gggaaaggtc aaataagatc tccaatcgtg tacaattcca 180
 aatacatttg agagcagtgg gtctgaaaat gtgggtccca gaccagcagc atcaacacca 240
 tgaaggaaagt tgtaaaaaat gcaaattctc aggcctctcc ctgtgcttta ataaagtttc 300

<210> 1438
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1438
 aattccgttg ctgtcgcaaa aaggtagagt gattcagcca tttccatttg tcatttgttt 60
 caaccttttt taagttgagt gtttttattt ctgcagttat tagttggatc ctccacatct 120
 tgcataata catgggtcga attattatgt ttgtcaggat aatcaaataa aaatactagt 180
 tcagtgatca gcattgaatg gttgttaggc agccatgtgc tcaacactga tttcacctct 240
 tgagtataaa ctttttaaat ttaaattggt ttacatgaaa gtggattaaa aggcctttca 300

<210> 1439
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(300)
 <223> n = A,T,C or G

<400> 1439
 aattccgttg ctgtcggaga gtggaggcca gagaagacca aagctgagga atgcgacctc 60
 aggatttcct tctttctggg gatagttctc tttaggagga agaggagtta gcccctcact 120
 tgcttatccc tctcctatgc tctggagttc ctctccaccc ttgccccac cccacattgc 180
 ccctcctgc tcggtcagt cctggccagc tcaggcagct tgcgtcacag taaggtaaag 240
 ccagaatgag nattangnct gagcganant gnaaaagcca ttcctntgac cctaccacc 300

<210> 1440
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1440
aattccggtg ctgtcgcttt tttggcaagg aggacaaata cgcaatgttg gaaaaccttg 60
gatggatatt ttctctttaa aaaaatgtaa agataatttg gtcttgaggg tttaaacggg 120
tgataatgcc tctacaacaa caagaaaaaa gataaaatac taggatagaa tcatggtggg 180
cacagtggct tctcaggagg ctgaggaggg aggtttgctt gaggccagga gttggagacc 240
agcccaggca acatagcgta aaccctatct ctaaaacaat ttttagccag gtgcggtggc 300

<210> 1441
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1441
aattccggtg ctgtcgtcag atttctgatt tgaaaagaat gatttcaaaa cttgaagctc 60
aggtaagca agtagaacat gaaaatatgt taagccttcg tcataattct agaattcacg 120
tgagaccctc gcgtgccaac acactagcaa cttcagacgt cagcaggcgg aaatggctga 180
ttccagggtc agagtattcc atctttactg gccagcctct ggacacccag gacagtaacg 240
tggataacca gctggaggaa acctgtagcc tagggcaccg ttcacctctg gaaaaggatt 300

<210> 1442
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1442
aattccggtg ctgtcgaccc caaccctctc tcattgttcag tctgtctaata acatgccaga 60
gatttttttt tcaaaaagtg cttttatccct acaatgtact gacagttctt acagttgaga 120
tttggtcttt tcagctattg cttgtgaaaa aaagcaagac tatgtcactc tatagaaggc 180
tggttaaagt actcaggcag gaattaatta ttctgtacct aaggggttac ttgtttaatg 240
ggatggcatt gactttttga aaatcaagtg gactgagtca ttgataaaac atttctaaga 300

<210> 1443
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1443
aattccggtg ctgtcgactt gaatgactta aggtctgaca aatgatattc ttggaaagtt 60
taattcttag gttttcaaat cttttttttt aatgtctccc atgtttctca tttgctgatt 120
gattcattag ttgctcttag taagatttgt cagttggaaa taatgaaggc tgagactcat 180
ttctaaactc ttccataacc atcaccagaa gacagccac tgtgttgtgt gatgtaggct 240
aatgcctccc agatagaggt aaagtcacaa ggactattag aattccagtg gattgtggaa 300

<210> 1444
<211> 245
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(245)
<223> n = A,T,C or G

<400> 1444
aattccggtg ctgtcgggaa gacagcccag aagcttgcta ttcagaaggc tttgtcagat 60
gcattccaga aactgttgat tgtgttcta gaaagtggta aaatagctgt ggagtacaga 120

```

cccagtgaag acatcgtagg tgtcagatgc gaagaagaac tacacgggtt aattcaagtc    180
ccttgctctc cctggaagca gtatggccaa gaggaggaag ggtatctctc ggatttcanc    240
ttgna                                                                    245

```

```

<210> 1445
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 1445
aattccggtg ctgtcgatac cacctccttg cttggatatct ttacaaaaat gttatacttt    60
atggatataa aggtgataaa gattggaaat aaatcttcta aatatgtaaa atgaaagcaa    120
cagcaacagc aaacacaatt atcgtattct ttgggagtaa caaatactgg ttttcatttt    180
aaaactaagg aaaattttat cagtacttaa attcaatcca aaaaagggtt tataacaccc    240
aaactgtaca tttaaaatta tgctttctta aggtaatggc tagcattacc tagttttag    300

```

```

<210> 1446
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 1446
aattccggtg ctgtcgatat tgttcaataa tgccttttca tttgtttctg attggtttca    60
tcctgatact gtagttcact gtagaaatgt ggctgctgaa actcatttga ttgtcatttt    120
tatctatcct atgttaaatg gtttgttttt acaaaataat accttatttt aattgaaacg    180
tttatgcttt tgccaacaca tcttgtaact taatatacta gatgttaagg ttgttaatgt    240
acaaaaaaaa aaccttata ctcacctgcg ttccatttg tttgacattt gctcattatt    300

```

```

<210> 1447
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 1447
aattccggtg ctgtcgggct gacgtgaaat gtaaactagt aggcgtgtta ttgatctgct    60
aaaactaacc ctctttttaa gaggagattt aaggaagacg tcaatcaaaa tgtcaaatat    120
gtgtgtcaga atataaataa tttttcacat tgtattgttg ctatataaaa aaaataatag    180
aattgggttg gtttctgagg tgaaatccag agtaagagta ctagacagtt caacaagcca    240
catctaattg cacagataga ggatgtagct attttatacc tttcataaca tttgagagta    300

```

```

<210> 1448
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 1448
aattccggtg ctgtcgacta ttaactaggc ttcagtatat cagtgtttat ttcattgtgt    60
taaagtataa cttgtaaata aaatagctgc aaacctagtt aatagtagtg taacaatatg    120
catcattttg atgattacat tattttaaac aacaaactac actgaaaaat taatgccgat    180
aaaattctgg gggtggaag gtaggatgtg gtagtgacat gttctatcct ttacttatga    240
gactcagaaa tatatctaca aagccagatg ctctgtcttc atatttgcag acatctagac    300

```

```

<210> 1449
<211> 300
<212> DNA
<213> Homo sapiens

```

<220>
 <221> misc_feature
 <222> (1)...(300)
 <223> n = A,T,C or G

<400> 1449
 aattccgttg ctgtcgattt ttctatgtat gtgatgtgaa atgaagacta tatatatgga 60
 atggaggtga cagaagaaaa gaaattcttt gtttgaggga gacttcccct ttctggattg 120
 tatttgtaga gtgttacgag tgtatcatgt gattatgctt taccggtata agagattctg 180
 ttgngattat ttgaatagtt ntatattaat anaagaagac aaaanttttt aaatgttana 240
 aaaagcngat ctgtcattgc tnngtatcnt aaantttang cttttatcna tgtatatattt 300

<210> 1450
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1450
 aattccgttg ctgtcggctg ttcaacatta cttaatgact tgaaaatatt ttttattagt 60
 tgtagaaaac tcaacaattt tcaaattattg ctttggtac attcaccttc attcctctgg 120
 gattccactt aacatttatt aggtcttttt gcttaattcc ctatgtctct tctatacttt 180
 cctgtatttt ctactcttgt gtctcccttc actccaagaa tttacttctt ttttgtttgt 240
 ttgtttgttt ttgagacagg gtcttgctct gtcgccagg ctggagtga gtggcatgat 300

<210> 1451
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1451
 aattccgttg ctgtcggaaa cctcaacaga cactgccgta acgaatgaat gggagaagag 60
 gctttccacc tccccgtgc gactggccgc caggcaggag gatgccccca tgatcgaacc 120
 acttgctcct gaagagaaaa tggaaaccaa gacggagtcc agtggaatag agacggaacc 180
 caccgtgcac cacctgccgc ttagcactga gaaggtggtg caggagaccg tgttggtgga 240
 ggagcggcgt gtggtgcacg cgagtgggga tgcttcttac tcggcgggag acagcgggga 300

<210> 1452
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1452
 aattccgttg ctgtcgggtc caccgccacc tcgccggagt ccggggcggc cccggtgtcc 60
 cctccgagcc tgctgcactc cacgtcccc taccagggtc ccagccccca gggaaatctc 120
 cgaccaggcc cgcccaggag ccagatccag gctcctggaa gaaccatgtc cggcagctac 180
 tggatcatgcc aggcacacac tgctgcccga gaggagctgc tgtttgaatt atctgtgaat 240
 gttgggaaga ggaatgccag agctgccggc tgaaaattac ccaaccaaga gaaatctgca 300

<210> 1453
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(300)

<223> n = A,T,C or G

<400> 1453

```
aattccggtg ctgtcgaaat catgtacaga attgcaagag acccacggag aattatctac    60
caacaatatg catcatagaa atttagaaaa cagaagaaaa gtcactacag tcctaccact    120
cttactgtta cgggtattaga aatatatata gtggatagcc ataagtataa atgatcncat    180
atagcatgtn ttttataaaa attgggtttat actgtacatt ctatcttggt angngatggn    240
tttcacntgc cactgtatca tgcccatthc cctctntctg ctgtctgtat tcttcttgat    300
```

<210> 1454

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1454

```
aattccggtg ctgtcgggaa aactacaggt gttgtccaag ctcttagcgg ttatccacga    60
acttcgacct actgaaaaagg tgggtgttgt atccgactat acacaaacct tgaacatttt    120
acaagaagta tgtaagcgtc atggatatgc ttatacaaga cttgatggac aaacaccaat    180
ctctcaaagg cagcagattg ttgatggcct taacagtcaa cactcttctt tttttatttt    240
tttgtaagt tcaaaagctg gtggtgtagg acttaacctc attggaggat ctcacttaat    300
```

<210> 1455

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1455

```
aattccggtg ctgtcggcaa aatagtattt tctattactg tgcaggggaa agggatggat    60
cgatacatgc aaattttaat tagtaactca cttttccata tattttgaat gtatatttct    120
atattatgata ccaatttata aaaaataatt acacagaaaa aatggaatag gaaaaattat    180
gcattctagca catttaaaact gtgcaaatat gaaaattttt cgaggattac attttatctg    240
aaggctgcat attttaactg gctttaaaac tgtaacacat cacataaaaag atactttacc    300
```

<210> 1456

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1456

```
aattccggtg ctgtcgaaga aaattttcta tgattataat attccaagta agtttctctt    60
ttgagatcat ttgtctattg taggaagtca ggtaataaag tttagtttta aaaaacaaaa    120
atattctcaa tcaggattct ttctgacctt ttaatctcag ataagtataa tagagtatta    180
tttcaaggat tccccttcta gcacaatctt gctcaagatc aggccaagaa tatagacagg    240
ttcagtaaac cacaagtgtc ctaaacctgc ttgaacctat gtaagaactg agcagtgggg    300
```

<210> 1457

<211> 297

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(297)

<223> n = A,T,C or G

<400> 1457


```

aattccggtg ctgtcggtag agacgggttt ctccatgttg gccaaagtgg tcttgaactc    60
ctgacctcaa gtgaccacc tgcctcagcc tcccaaatg ctgggcttac aggtgtgagc    120
tactgcgcca ggcctaatat cttttttttt ttttnaaaana aagnntngtt tngggcccag    180
nnngaagtgn agggggnaaa tttnggntaa tngaaccntc ngcntccnng gttaaaaaaa    240
tttcnngcn taacntcnn ganaannngg aannacgggn tngcccnaca accccaa    297

```

<210> 1458

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(300)

<223> n = A,T,C or G

<400> 1458

```

aattccggtg ctgtcggatt ttttttttct ccagaggctt agcgtaggtc ataccccaga    60
tggtgatgat gaatatattg attgctatct cagggcgaaa tctcaaaagt ttgtgttgcc    120
cttttaggaa tttcacagtt tatattgacc tataaccaag aggcaggttc attatgttta    180
attgcattaa aagataaaaag aagtagacaa attgaaagga aaaagagccc agagattggt    240
acctttttat caagcnacan catgccacaa actttgcata cataaaaaat aataacctga    300

```

<210> 1459

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1459

```

aattccggtg ctgtcgctct acttttaacc agtctcataa aatgcctggg gttcataggt    60
gaagctggat tggtgcagga attctgcaat tggtggcaaa gcgaaggga gtttgactcc    120
ttaattataa agttggatgt catttgagaa actctgggaa ttggaagtag aacaaattca    180
tactttccct ataactttta atttcttgtc atacattcag aaaacaagag atgtaaaatt    240
cataaaactg cttgtataaa ttcagaaaac gggattataa aagcaaagac aaattgtctt    300

```

<210> 1460

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1460

```

aattccggtg ctgtcgatat aaccaggaa cgtgacagtc ttatgtgttt ggcaaaatgt    60
ttagaaagtg agaaggatgg agtgcttaat aaagtcataa aaagcaacat tgcctggga    120
aagttagagg aaaaagtcaa gggctacaag aagcaggcag cactgaagct gggggacatc    180
agtcaccgtc tgctggagca gcaggaggac ttcgccggca agacagccca gtaccggcag    240
gagatgcggc acctgcacca ggtgctgaag gacaagcagg aggtgctgga ccaggcgctg    300

```

<210> 1461

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1461

```

aattccggtg ctgtcgcttg caccgtgttg acagactctc cggttctggg gaaatccagt    60
ccctgttact ccattttggc cagaaattca aggatactgt catgaagcag acacatgctg    120
acacacctgt tgatcattgt ctatctggca taagaaagtg tagcagcacc ttttaagctta    180

```

aaagtgaagt caacaagcat gaaacagccc ttgaaatgca gaatccaaat ttgaacaata 240
aagaatgttg tttcaccttt acgttgaatg gaaactccag aaaattagac cgtagtgtgt 300

<210> 1462
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1462
aattccgttg ctgtcgctgg cttcctcagc attgccgaga tgtacagctc tgtggcagac 60
cagtgggtgcc tgattgtccc catgcacacg cgcaggagcc gggctctccct ggtggccagc 120
tgtggggcgcc tctacgctgt tgggggctac gacggacagt caaacctaag ctcagtggag 180
atgtatgacc cagagacaga ctgctggaca ttcattggccc ccatggcgtg ccatgagggg 240
ggggctcgtg tgggctgcat ccctctcctc accatctaag gcagaggatg ggatgtgggt 300

<210> 1463
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1463
aattccgttg ctgtcggaga tgtactgtgc ttatggatat gaagactcaa taacatgtca 60
attctccaca agttaataaa tgtataaatt tacttcaatt gaggattttt tattagacat 120
agacatgctg attttaaaat tcaaatggag gccagggtata gtggcttacg cctgtaatcc 180
cagcactttg ggaggccacg gcgggaggac tacttgagcc caggagtgtg agactatcct 240
gggcagcatg gtgagacctc atctctacta aaaatacaaa aattagccag gcatgggtgt 300

<210> 1464
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1464
aattccgttg ctgtcgctct gttctcttgg ctaatgtatt tttatcacac ccaagaaatt 60
taacgtttat aagatgtaat catttaatat accaaccatg tgtatactgc ttcagttgct 120
cctcagattc ctgaatctaa tcagatataa cactttgcat tttgtttacc ggtctctcta 180
gtcttctgta attttcccag ttttttccca taatactgat ttttttttca gcattaaagc 240
tagctctctt gtagagtagt ccacagtctg aatttatctg attgtttcat gattagattc 300

<210> 1465
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1465
aattccgttg ctgtcgaaag gttacattct ttttggttca tctactcaga agctatttaa 60
tgaatgttca ctccatgtca ggcattgtgc atgttttcat ctctaccagt aacgctgaac 120
tttcttcttg tgtgcatcag cctgttggtt tcttttgtaa atgttctgtt cgtgtccatt 180
atcaactttt ctactagggt gtgactgttt ctatgatata tttataacga tgtgtgtgtg 240
tgtgtgtgtg tatacgatat ttggggtaaa tacttttccc agcttctttg acttttaatt 300

<210> 1466
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1466

aattccggtg	ctgtcggcgg	caaattgtgg	aacagatgga	aaagaaccag	gaggagcgat	60
cgctgcttgc	tgagcagcgg	gagcaggaga	aggagcagat	gctggaatat	atggaacagc	120
tccaagagga	agatctaaag	gacattggaac	gaaggcagca	acaaaaactg	aagatgcaag	180
ctgagattaa	gcgcatcaat	gatgaaaacc	agaaacagaa	agcagaactc	ctggctcagg	240
agaagctggc	agaccagatg	gtgatggagt	ttaccaagaa	gaagatggct	cgagaagcag	300

<210> 1467

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1467

aattccggtg	ctgtcgcaat	ttctgagtct	ctttctatct	aatgccacca	atttctgagg	60
aactagagtg	cagagtggat	tgcttttcag	ctttttctat	taggattcag	atagcttttt	120
aattgctgct	aatatatttg	tcattcataat	tgcttttttg	ttttcaaaat	tcagttaata	180
ttttttcttc	tcattcattt	tgactttgta	ggttcatgcc	atttgtaaaa	ccctctttgt	240
tgtcttttta	ttggaatttt	gagagggagt	taaatgtctg	tttttaactc	accatcttta	300

<210> 1468

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1468

aattccggtg	ctgtcggaca	gcagctccga	ggctcggcggg	ggctctgggtg	gccatggagg	60
agccccctgt	gcgagaagag	gatgaggagg	agggagagga	ggacgaggag	agggacgagg	120
ttgggcccga	tggggcgctg	ggcaagagcc	ccttccagct	gaccgccgag	gacgtgtatg	180
acatctccta	cctgttgggc	cgcgagctta	tggccctggg	cagcgacccc	cgggtgacgc	240
agctgcagtt	caaagtcgtc	cgcgtcctgg	agatgctgga	ggcgctgggtg	aatgagggca	300

<210> 1469

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1469

aattccggtg	ctgtcgccaa	aatgtatccc	agtaaagggc	tttggtaaaa	aatataaata	60
atttgaacaa	gtgtccagag	gggagataat	gtacagaagg	aaaaaagaat	aatgggcttt	120
taacttcttt	tttttccctc	agtttttatc	tttttcttat	atagagatgg	gagtctcact	180
atactgcgca	ggctggtctc	gaactctctt	gggtcgaagt	gacctctcca	cctcggcctc	240
ccaaagtgtc	ggagttacag	gcttgagcca	ctgctcctgg	ccagcttcta	ctttaaacct	300

<210> 1470

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1470

aattccggtg	ctgtcgacga	gcttttgctg	tggtggccag	actggctctca	aactcctggc	60
ctcaagtccc	aaattgctgg	gatttaggca	tgaaccacta	tgcttgccca	taccgtacag	120
aaacactctt	atgggtgatg	tatgcgtcta	tttggaaact	agttttgtag	tcttttttta	180
aaatcatact	ttattatagt	accttggtat	cattttgaat	atgttaaata	aacactataa	240
tagttaaggt	agacagaaca	ttaggacata	ccgtattcta	tattttttcc	tctgtatttg	300

<210> 1471

<211> 292
 <212> DNA
 <213> Homo sapiens

<400> 1471
 aattccggtg ctgtcgtaat cttaaaaaata cttgcctcaa agattttattg ggataactaa 60
 gatctgtaat acttggagat aggaactatg tcacatagtg catgacacat gaaaggcact 120
 taatattcat tgaattgaat taaatctcac agattttaaataaaaaggcctt tgccttaatg 180
 ttcaactttg tatttggtat gaggtctctc tgtctccctt caattaaatg atatttagag 240
 gtatgctcac aatagattag acatagttaa tttttttttt tttttttttt tg 292

<210> 1472
 <211> 293
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(293)
 <223> n = A,T,C or G

<400> 1472
 aattccggtg ctgtcgggtg agtcataaaa taaaaaaact agcaaatacca gctctatgct 60
 cagagaatta ccagaaaaata aaattacatg aagcttgaat ataggggagat ggaaagatat 120
 tagacaaata ttaaagaaaa tctgggccag gtgtggtggc tcacacctgc aatcccagca 180
 ctttggggagg cccaagggtg gaagattact tgaggcaagg ggttnganan cngcctgntc 240
 ntnatannga anntnngctc ttnanannag antgngntna ntagagtaat taa 293

<210> 1473
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1473
 aattccggtg ctgtcgtata tgccaagaac caagggtgttc tgtcatcaaa attgattttt 60
 tatgtgtgaa ttgacaactt gctaaagtcc ccaaaatttg ttgtttctaa agaattggaa 120
 accatttgag aggagctatt gtaagagggg acttcagcct tgatcattag ccgtcaggag 180
 ctctccctca ggaagatcag atttaacagt ttttgagaaa cttgagattc tgaaatgctc 240
 cacggcctgc ttaccctttg gaaagactgt aaggggtaga agtaccacaac agaagaccac 300

<210> 1474
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1474
 aattccggtg ctgtcgggtt agcactcaca tttttttgtt caatctttac ttctcacaca 60
 aacagaaaaa ggaaattata tattctgtat caacaaagat ttaacaaaaac atccatacac 120
 tacaactgtc tacttactaa aattaagaat tagtatatta tcttttttct tcttatatta 180
 aaactatctt ttcatacact attttaagtt tatgaactga aagtctttta gagataattt 240
 acttcaatga actattatta tttatatattt ataagcaaat tgtcacaact tgggtattagc 300

<210> 1475
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1475

aattccggtg	ctgtcgcatac	tgtatgttgt	ggtgtcatag	aaagagtcca	gacctggagc	60
cagagggagt	tgaattcaaa	caccttgatt	tcttattatc	agctgtgtca	agatcaaatac	120
actcctcttt	ggcatgctgt	ttttttctag	aagtattact	cttgccttag	ctattaccat	180
cccctctctt	gcttgtaggt	tgatatttac	ttgctaattc	actctcagtg	cattgttttt	240
gaatccttagc	ctagtttttt	gtttgttgt	ttgtttgttt	tgacagtgctg	cttactgcaa	300

<210> 1476

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1476

aattccggtg	ctgtcgggac	tacaggtgcc	cgccaccaca	cccggctaata	ctttgtatta	60
caggatagag	ttcttggaag	cctggcgtgg	agggagggag	agcaggtagc	acagttacag	120
aaggatcttc	gggatatgga	aatgcggtat	ttgtggacac	tcattcatct	aacacacatt	180
tgttgagctc	ctaattgtgt	tagaactgaa	gggatggagt	catgggcagt	ggaaaagctg	240
aaattgtgta	aaagagagag	aaggatcagt	ggctatggtc	tcgaagatga	cgtggaagtg	300

<210> 1477

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1477

aattccggtg	ctgtcgaagg	gatccagtaa	ctgctcccag	ggaaaggata	tcagcttgac	60
ctgcagctga	cagctagtag	taactgtaag	ccacatgagc	gaacaatacta	ggccatccag	120
cccagaagaa	cattaagatg	actgcagctc	cagccaacat	ccggctacag	caacctacga	180
gaagccaaat	aagagcagcg	tagctcagtc	ctcccagaat	ttgggaccca	gaaaataaaa	240
gggaaactaa	acaggtaaac	aagttgttgt	tttacaacac	tgtgtttgag	agtaatgtgt	300

<210> 1478

<211> 288

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(288)

<223> n = A,T,C or G

<400> 1478

aattccggtg	ctgtcgcgta	gtgtgggttc	cgggctccga	tgaccccagc	cagaacccccg	60
cctttgttca	tgcctagggt	agaggcataa	agttcagcac	agccacaggc	cacaccttgt	120
tatgggcctc	agaagccatc	tcctctccag	acctgtacca	caaagctcct	aatgtaacac	180
atcattgtcc	tcattcaact	tggctgtatg	ctattggagg	gtggaaatca	catctcctgt	240
ttatccgtgt	gcttgttagg	tgtcagccgn	cacccccccc	cctatgac		288

<210> 1479

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1479

aattccggtg	ctgtcgagaa	ccttgtggtc	atcaataaag	ccctacggtc	tcctgtgca	60
tggtggccct	gggggccagc	tctgcatcac	tgatgtacta	cctatcctgg	caaagatgct	120

```

tcatggccac aaggcagagc ccttgcatct gtgccaccgg ctggacaagg aaaccacagg      180
tgtaatggtg ttggcttggg acaaggacat ggcacatcaa gtccaagagt tgtttaaaac      240
ccgtcaggtg gtgaagaagt actggtatga ggctgctga tggcagtaga ggtggtataa      300

```

```

<210> 1480
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 1480
aattccgttg ctgtcggaat tccattggcc agaacatagt cacatggtca tgcatatgag      60
aagtaaaatc ttggaaatgc actttttata caggatgatt atttgcccag ccgaaatgta      120
gggtttccat tattatcaaa gaaaaaagag cagaatagga gatagctaca agtctctatc      180
tcttacagaa tgtaagtcag acacatcact tgaggggctt aaaattttta acatttcttg      240
atgctttatg cttatcattt gtaatggaag atttgatatg tggtagcctt ccataaagac      300

```

```

<210> 1481
<211> 298
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(298)
<223> n = A,T,C or G

```

```

<400> 1481
aattccgttg ctgtcgagac ttttgtatat ttatcttaaa ttatatatct gaagtttttt      60
tttttttant ggnagttnag gcttccagng ccntatcagn ctttatataa atcngtngaa      120
naatcgtttn ttntaaaatc aaagtaaatt tntngnncat gttnaaggag ngaaaaggaa      180
tttgggnata tgnaattttg ctagnnctta nggcttcnat ctaaaaangt tnatgangga      240
ccaggcncgg gggctnatnc ctgggatcct ancnccttgg gaaaccagc cggccgga      298

```

```

<210> 1482
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 1482
aattccgttg ctgtcgggcg ccccaggggc cctgggagct gcagggcata ttgctgctga      60
gccagaatga gctgtaccgc cagatcctgc tgcgtatgca cctgctgccg caagacctgc      120
tgctgctaaa gccctgccag tcttcctact gctactgtca ggaggtgctg gaccggctca      180
tccaatgcgg gctcctgggt gctgaggaga cccagggctc ccggccagcc tgtgacacag      240
ggcgacagcg attgagcaga aagctgctgt ggaaaccgag tggggacttt actgatagtg      300

```

```

<210> 1483
<211> 280
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(280)
<223> n = A,T,C or G

```

```

<400> 1483

```

```

aattccgttg ctgtcgggtac atgggtccac tttttttctt cggtctatta ttggactttg      60
catttccata tacatttttag aatcaattta ttccacaaaa agctaccaac aacaaaaaag      120
cctgttggga ttttattgga attgtgtcag atctatagat caatttggga ggactgattt      180
ttagacttgc tcaagtattg gatactttct tttttttttt ttttaaaacg gnntttngct      240
ttngtnnccc aggnngnagg gcntnggcnn tntttgggct      280

```

<210> 1484

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1484

```

aattccgttg ctgtcgccca tcaactacagt caattttaga acattcatta tccccaaaag      60
aaccctgtac ccattagcag ttattatctt tactttttta atgcgggaaa taaacctaca      120
tagaaagacc agaaagactt tatgctcttg aactgtataa actgactcca gcctacctgt      180
tgtacctttt gttgttgttg ttgttgttgt tgttgttata ccttattttc tactagtacc      240
cataatacat catttattta attcaggctg ttttccctact tgtgctacaa agtgttatta      300

```

<210> 1485

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1485

```

aattccgttg ctgtcgaaat tttccagttc ttttttcagc ttctttatct cctcctaattg      60
gaaacattat ctttaaaagt tgcataatag aaatatacat attttacgtt tgaacaagga      120
gatttaattg taaatatgaa agccaaagta ttccctgaatg gtcaaataca gcaataaagg      180
cagaagaatt aagatttttc tttgttccat tgtacagtgt aaataactaa gttgttaact      240
gtcaagtcca gttatgtatt ctgtaagttg tgttctagtc tttgactaaa atttatcatc      300

```

<210> 1486

<211> 278

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(278)

<223> n = A,T,C or G

<400> 1486

```

atcgagaact cttactacaa gctncttggt ctttttgcag gatcccatng attcnaattc      60
cgttgctgtc gccaaaatgg cgcggtgtgt gaaggctgca gccgcgaatg ccgtagggtc      120
tttttccaga cttcaagctc ccattccaac agtaagagct tcttecacat cacagccctt      180
ggatcaagtg acagggttctg tgtggaacct ggggtctactc aaccatgtat ccatagcagt      240
ccaaattngn antntgctgt tnnaatntat nacaatat      278

```

<210> 1487

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1487

```

aattccgttg ctgtcgggga gtccttggtg ccatccatcc ctagggggta attttgttcc      60
ctgaggctgc tttctaggga cttctgggtc cttgttttat cctggaccag acctgaaagc      120
agagcctgaa ataaggcctt ctatgcacat catttatgta ggaggtggcc ctagggaagca      180

```

ggcccaatgc gccatgggaa aaaccagtac caggggtgttt tgctgagttg agcactgtgg 240
 tgggcagctg gacatgagcc cactggaatc ttctgaagag cccaagagcc tcttctcagt 300

<210> 1488

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1488

aattccgttg ctgtcgggcg gcagggtgatg cagtttggac ggattgatgg cagtgcgtac 60
 attctggact tccagtatcc gttctcagcc gtgcaggcct ttgcagttgc cctggccaac 120
 gtgactcagc gcctcaaatg aagagactgg tgtggggagg agagagatgc agagagcctt 180
 tgggaagagg cttcggagat gccagaggag ccctctaggg gtccgatgcc tgggaggacc 240
 acaagccaac agcaaaactg gaaaagcccg gcaggcccag gagagggcgc tgacctgttg 300

<210> 1489

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1489

aattccgttg ctgtcggacg gaaaccatgt ttgtggctcg cagcatcgcg gcggaccaca 60
 aggatctcat ccacgatgtc tctttcgact tccacgggcg gcggatggca acctgctcca 120
 gcgatcagag cggttaaggtc tgggataaaa gtgaaagtgg tgattggcat tgtactgcta 180
 gctggaagac acatagtggg tctgtatggc gtgtgacatg ggcccatcct gaatttgggc 240
 aggttttggc ttctgttct tttgaccgaa cagctgctgt atgggaagaa atagtaggag 300

<210> 1490

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1490

aattccgttg ctgtcgcaaa aaacaacaac aacaaaaaaa aactgttaac aatttttctg 60
 tctgtgttca tgagggtgtg tagtctgttt ttggttcctt gtaatgtctt ttttctgagt 120
 tatttgctgg cccttcctt taattttctg caagagtttg tagaaaattg tattacctct 180
 cctgaaatat ttgctagaat tcaactagtga agctgcctgg ggctggagtt ttctttaata 240
 tagagctgtt cagatagtct gtttattctt ttccgtttct gaaagtttgc atcttttaag 300

<210> 1491

<211> 268

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(268)

<223> n = A,T,C or G

<400> 1491

aattccgttg ctgtcgtgga gatggagcgg atgatgcagg cgggcactcc catgggcatg 60
 gagtttggtg gagggcgggg cctcctgagc cctcccatgg ggcagtctgg gctgaggag 120
 gtggaccac ccatggggcc aggcaacctc aacatgaaca tgaatgtcaa catgaacatg 180
 aacatgaacc tgaacgtgca gatgaccccg cagcagcaga tgctgatgtc gcagaagatg 240
 cggggccctg nngacttgan gggcccca 268

<210> 1492
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1492
 aattccgttg ctgtcgaacg tcttgaagaa tagtgaaaag tcaaagtttc aacagcatgt 60
 gcctttccgg gaaagtaaac tgactcacta ttttcaaagt ttttttaatg gtaaagggaa 120
 aatttgtatg attgtcaata tcagccaatg ttatttagcc tatgatgaaa cactcaatgt 180
 attgaagtgc tccgccattg cacaaaaagt ttgtgtccca gacactttaa attcctctca 240
 agagaaatta tttggacctg tcaaattcttc tcaagatgta tcactagaca gtaattcaaa 300

<210> 1493
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1493
 aattccgttg ctgtcgggtgg agtgggtccgg ggatggcagt gggaccctgc agaggagtgg 60
 ctctcttggc aagatccggg atgtgctccg cagaagcagt gaactcttgg tgaggaagtg 120
 ccaggggact gagcctcggc cctccagcag caacatgaag cgagcagcct ccttgaacta 180
 tctgaaccaa cctagtgcag caccctcca ggtctcccg ggccctcagt ccagcaccat 240
 ggacctctct tcaagcagct gacattcaac ccggccccca ggtctgctgg gtccccccac 300

<210> 1494
 <211> 252
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(252)
 <223> n = A,T,C or G

<400> 1494
 aattccgttg ctgtcgtgga gactttgatt cgaagcccag ttgggccgac caggtggggg 60
 aggtgtgaga ggttttacnn agatctnact tgctagtcca caaatgccac atgtggacat 120
 gcnnaccac tcaccctgtg ctgnctccac atntgtcaag ccctgaaacg cttcacaaga 180
 cagacttttc tcttcgaagg gaaaccctat cttgcatttt actctacgct gntctttttt 240
 tttgagactt ga 252

<210> 1495
 <211> 262
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(262)
 <223> n = A,T,C or G

<400> 1495
 aattccgttg ctgtcgatga ggtgctggtg tgtggatgga tgagggtgctg gtgtgtgggt 60
 ggatgagggt ctggtgtgcg gatggatgag gtgctggtgt gtggatggat gagatgctgg 120
 tgtgtggatg gatgagatgc tgggtgtgtg atggatgagg tctgtgtgna tnnatnaatn 180
 nctattnctt tnnncctnaa ngenntnntt cattntant attatnnnch tncctttcaa 240

actnntnttn ncattattat nt

262

<210> 1496

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1496

aattccgttg	ctgtcgccgg	cctcctatgc	cttctttccg	ggcctgtttt	aagagcattt	60
tcagaataca	cacagaaaca	ggcaacattt	ggacacatct	cttaggttgt	gtattcttcc	120
tgtgcctggg	gatcttttat	atgtttcgcc	caaatatctc	ctttgtggcc	cctctgcaag	180
agaagggtgg	ctttggatta	tttttcttag	gagccattct	ctgcctttct	ttttcatggc	240
tcttccacac	agtctactgc	cactcagagg	gggtctctcg	gctcttctct	aaactggatt	300

<210> 1497

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1497

aattccgttg	ctgtcgcgac	agcaacgggtg	acatctttcc	tcggtctctg	tttgatctt	60
cttcagatct	taatggaggc	agatgttagc	agggatgaaa	tacaggtgcc	tgtgctggat	120
actgaggatg	cgtggctctc	cgtggaagga	ccaatctcca	tagtggaact	ggcccttgaa	180
cagaagcaca	tccactaccc	actgggtggg	caccaactcca	tcctgtgctc	catcttgtat	240
gcagtcattga	ggttttctct	gaagaccgtg	aagccacttt	cactttttga	cagtaaggga	300

<210> 1498

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1498

aattccgttg	ctgtcgggtt	gcttaacaga	gtaaaaatgt	ttttaaaaag	tttaaagttt	60
ataaagtaaa	agcattacaa	taacctaat	ttaatttatt	atggaagaaa	gacattttta	120
aagataaatt	tagtttagcc	taggtatata	gtctaactat	agctggagtc	ttcaacatac	180
ctctatcaac	atttgataaa	acaagccaga	aatcatcaag	gatatagaac	catcaccatc	240
aaccagcaga	atctcattga	catttataga	acacttcacc	cagcagcagg	atacacattc	300

<210> 1499

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(300)

<223> n = A,T,C or G

<400> 1499

aattccgttg	ctgtcggatt	tctactctgt	ctcctcaact	ctgttgatat	ttggggaaaa	60
ttctgttttt	catagattct	ttgagatgct	gatggaccag	cttcagcatg	tttgagggtg	120
tctgaaatgg	agatcactgt	aaaactgtct	ttttctttta	aattacaagt	acactgggggt	180
taactgtatt	gctggaaaaa	catcaagaat	gacagtctta	tatttaaggc	accagtcatt	240
ggttccattt	ttttttttaa	ttcttccctt	ggattaatat	tttctactga	anagaaatga	300

<210> 1500

<211> 292
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1) ... (292)
 <223> n = A,T,C or G

<400> 1500
 aattccggtg ctgtcggaga tatgcgggca attcagcctg atgcaggtta ttacaaatgat 60
 ctgggtccca ctataggaat gttcaataat cctatgaatg cagtaacaac aaaatttgat 120
 cctacatcaa caaattaagc aaagtgtcct gtattcttag tgctttggac taancaanga 180
 atacgnttan ntacttgacc acttaccctc ctatcantgg tgnctaatac ctatgttaca 240
 cgatnaagac acaggtttan nactttgccc atatagttaa nttattgaca ga 292

<210> 1501
 <211> 297
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1) ... (297)
 <223> n = A,T,C or G

<400> 1501
 aattccggtg ctgtcgggct ggagtgcagt ggctcaatct cggctcactg caaactccgt 60
 ctcccagggt cacaccattc tctgcctca gcctcccgag tagctgggac tacaggcacc 120
 tgccaccacg cccggctaata tntttttttt tngggatttt aantaaaanc gggntttcat 180
 natgttacc ngnatggngc taatntecng acctggggat ccnccnttt ngncnccca 240
 atgggctggn attncnggc tgagccacna cncntagcct tcccnatcta tttttca 297

<210> 1502
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1502
 aattccggtg ctgtcgaatc tctgtattat agctatttgt ctaacattac cccacatgta 60
 ataaataaaa caatatgagc ataattgccc cataaagaac tcatgtcctg aattaataag 120
 tcttttcatt gccagtcact tgtgcaattt atagagacta tcaacttttt tgcaccatat 180
 atgaaggaaa caaagtgcga aaagtttgct ctctccctta agaaaattga gtgcttatag 240
 cctatgtctt ccatataaaa aagtaagaat atcagtcttt ttaatgttat tctaagaaaa 300

<210> 1503
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1503
 aattccggtg ctgtcggaga aatccatcaa caaaattggc cacgctctgc acgcccacga 60
 ccccgctctc aagagcatca cacactcctt caagggtgcag accttgcca gaagtctggg 120
 cctccagatg cccgtggttg tgacagagcat gtacatcttt aagtctcccc tcatcaggac 180
 gcctccttcc tgtacacgga gccctgggac cgggtgctgg gcgtgtggat cgcagtggag 240
 gatgccacgc tggagaacgc ctgtctcttg ttcacccctg gctcccacac cagtgggtgtg 300

<210> 1504
 <211> 267
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(267)
 <223> n = A,T,C or G

<400> 1504
 aattccgttg ctgtcgacgc attctacctt ttcctacaat gaatccacca gcagaaattc 60
 ctgtacacat cttatcaaca aagaatttga acctcaaaga attctcactg tgttacctag 120
 gctgcagtg agnggtgcga tctcaactca ctgcnacctn tacctcctgg nntnaancnn 180
 ntctnctgtc tnancnannn tanntntcat tntctacnnn ncttnnttgn nnannctagt 240
 ntntttntcn tatntcatnt ctncac 267

<210> 1505
 <211> 293
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(293)
 <223> n = A,T,C or G

<400> 1505
 aattccgttg ctgtcggagg actgcttgag accagcctgg ggaacatagt gtgaccttgt 60
 tgctatgaaa aaaaaaaaga aaataanca ggctgatggc acatgcctcn agtcccagct 120
 tcacaanagg ttgaggtnan anaantgctt gaccanaag annaganncn atanngnga 180
 nattaanngn aggnnngcat tntnctnnnn tagnnncnnn ctngacnntt gtcentnanna 240
 ttctncngta tttnnccaan gaatngacnn atnaagnntn ctctnctcta aat 293

<210> 1506
 <211> 296
 <212> DNA
 <213> Homo sapiens

<400> 1506
 aattccgttg ctgttccgtt gctgtcggcc taagcataaa accaaaatta taaaactcct 60
 agaagataac acaggagaaa acctggatga ccttgggttg gcaatgactt tttagataca 120
 ataccaaagg catgtcctt gaaagaaata attaattgag aagccagaag gcaaatggt 180
 acagccattt tggaagacag tttggccgtt tctcacaaa ctaaatatac tcttaccata 240
 ccatgcagca attatactcc ttggtgttta cccaagactt gaaaacttgt gtctac 296

<210> 1507
 <211> 286
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(286)
 <223> n = A,T,C or G

<400> 1507
aattccggttg ctgtcgggtt gatcccataa aacccaaacc tccacaatct aaattgcttc 60
gtgaagataa gaaccataac atgtatgttg caggatgtac agaagttgaa ctaaacttac 120
tgtacngnnt tataggcaca gtctaagaat nactattac ctacaggnc ngtaatatan 180
aagaaatngn nntgagggan annnancact ctttcttann aactnatcag cncnnntaga 240
tnttgggnta anaaaatacc gggngaaacc nncataaaat gattaa 286

<210> 1508
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1508
aattccggttg ctgtcgggtca gtttttctag attggcaata gcctgttgca aagtgcctaa 60
acctttgaga aaaattacta tgagcaaggt ccatgattta gttttcaata taaagggaaat 120
tccattctat actgtaaaat ccaaaaatgc tagttgccct cagcttttga gttgacttcc 180
agaaagttga gatcttttga ccattttttc tctgtgcata taaaatgtgc cacatggtag 240
ttgtcaagct gtggtagtc tgtacacttt tttctttttt ttaactttct aaaaggaaaa 300

<210> 1509
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1509
aattccggttg ctgtcgggtga ttctaattga atgcagtgaa ctgagaggaa ttatgaacta 60
ccaggaggtg gaggccctga agcacaccat caagctcctg acggtcatta aatggcatgg 120
accaaaatgc aacaagttga actccaagtt ctggaaacgt ttacagtatg aaatgccttt 180
taagaggata gaaccatta cacatgagca ggcttttagat gtcagtgagc aagggccttt 240
tggggagctg cagactgtct cggccatttc catggccgcg gccacctcca cagctctagc 300

<210> 1510
<211> 258
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (258)
<223> n = A,T,C or G

<400> 1510
aattccggttg ctgtcgggtcg gggtttcgta cgtagcagag cagctccctc gctgcgatct 60
attgaaagtc agccctcgac acaaggggtt gtcgaataat tgcttcattt tcttgagcaa 120
tactgaagca ggatgaagta agaggaatgc attcattaaa acatgctttg ctttatgaat 180
tnttggctct nttttatgtc nctntnnnt antnnnnnan ttnnattann ntnannttat 240
tggtatntna ttannana 258

<210> 1511
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1511
aattccggttg ctgtcggcct aagcataaaa ccaaaattat aaaactccta gaagataaca 60
caggagaaaa cctggatgac cttgggttgg caatgacttt ttagatacaa taccaaaggc 120

```

atgctccttg aaagaaataa ttaattgaga agccagaagg caaaatggta cagccatttt 180
ggaagacagt ttggccggtt ctcacaaaac taaatatact cttaccatac catgcagcaa 240
ttatactcct tgggtgtttac ccaagacttg aaaacttggt tctacacaaa aatctgcacg 300

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<210> 1512
<211> 300
<212> DNA
<213> Homo sapiens

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<400> 1512
aattccgttg ctgtcggctg gtcttcctcc ggcccggggc ctggcccagc tagccggcca 60
tggaagtga gaaaatgttt ggaagctctg tgaatacatc aaaaaccatg accagtatcc 120
tttagaagaa tgttatgctg tcttcataac taatgagagg aagatgatac ctatctggaa 180
acaacaggcg agacctggag atggacctgt gatctgggat taccatgttg ttttgcttca 240
tgtttcaagt ggaggacaga gcttcattta tgatctcgat actgtcttgc catttccctg 300

```

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<210> 1513
<211> 300
<212> DNA
<213> Homo sapiens

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<400> 1513
aattccgttg ctgtcggcag aggcagatgt gttgctgagc agaaatgaca aagagggtgt 60
ttctgtccct tgggacctgag ggtccggtgg cagagccaga catgacaaca atgtaaagca 120
ccagcaaaat gtgatgtcaa aggggaagcag aaatacattc aatctgatag gaggacctag 180
gaagggtctc gtgaagaaca ggaaggattg caccagaaag ctctgtctgc ttctgtaccc 240
cgctgtccc tccagctgc gcaggggccc ttcgtgggat catcagcccg aagacaggga 300

```

```

<210> 1514
<211> 295
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(295)
<223> n = A,T,C or G

```

```

<400> 1514
aattccgttg ctgtcgaaga ggctgaggcg ggagaattgc ttgaaccag gaggcagagg 60
ttgcagtga ccaagatcac accattgtac tccagcctgg gcaacagagt gagactctgt 120
ctcaaaaaaa aaaaccaaaa aanaanaaaa aanaanaaag gaaanaang gaaaggaaag 180
gaaaanagan aganaaanana aanaanaaan acncttcntt tccgnaaagc cagccgnatt 240
cntcccagcg tnttnttgg ngctctgnnca tggataaagc ctcccnattc ccccg 295

```

```

<210> 1515
<211> 300
<212> DNA
<213> Homo sapiens

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<400> 1515
aattccgttg ctgtcggatg aagccatctg gtccctgggt tttctgtgtt gggagggttt 60
tgattactga ttcaatctct ctcattattg gtctgatcag actttccatt tcttcatgat 120
tcaatcttgg taggttgtgt gtttctctta gaaattggtc catttcttct aggttattaa 180
atttgtaggc atacaattct tcataatatt ctcttataat cctttttatc tctgtcgtat 240
tggtagtaat gttccctctt tcatttctga ttgtagttat tgaatgttct ttttttttct 300

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<210> 1516
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1516
 aattccgttg ctgtcggtaa cttaaatact atcgtataat aatcatatca tataaaagtc 60
 agtgcaactt acattacatg gtgagataag agagagaaga aaacaaagggt actgcttaat 120
 atacacattc acacagacat attcataata aaataggagg aaatacttac aacaattaca 180
 atcctcattt ctgtagctgt tcacatgggc gtggctggta ttataatta ctttgtctac 240
 tatccaatct gtattccctt tcccttcaga aagcgcctca gctgggcatg gacccttacc 300

<210> 1517
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1517
 aattcgttgc tgtcgcccg atgaagagggt gagctcccct tcgccccctc agcgagccca 60
 gcgtggggac cactcttccc gggagcaagg ccacgcccct gggggcactt ctcaggccag 120
 acagattgat tccccgtgc ggatcctggt cccacccag tttgttggtg ccatcatcgg 180
 aaaggagggc ttgaccataa agaacatcac taagcagacc cagtcccggg tagatatcca 240
 tagaaaagag aactctggag ctgcagagaa gcctgtcacc atccatgccca cccagagggg 300

<210> 1518
 <211> 129
 <212> DNA
 <213> Homo sapiens

<400> 1518
 aattccgttg ctgtcggggg attttgtggg accgctgccc acagatccag gtgttggaag 60
 ggcagcgggt aaggttccca agccagaccc aacaccctta ccacttggca cccagagggg 120
 gctgcacct 129

<210> 1519
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1519
 aattccgttg ctgtcgatac tctggtgacc agtggagtgt acgcttggtt tcggcatcct 60
 tcttacgtcg ggtggtttta ctggagtatt ggaactcagg tgatgctgtg taaccccatc 120
 tgcggcgtca gctatgccct gacagtgtgg cgattcttcc gcgatcgaac agaagaagaa 180
 gaaatctcac taattcactt ttttggagag gactacctgg agtataagaa gaggggtgcc 240
 acgggcctgc ctttcataaa ggggggtcaag gtggacctgt gacgggcagt ggccccggtg 300

<210> 1520
 <211> 296
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(296)
 <223> n = A,T,C or G

<400> 1520
aattccgttg ctgtcgagag gagaacaaac tggttgctga agccatgggt tccctgggaa 60
gggggaccca cctgtgcggc acctggaatt cagaggaagg gctcncatnc ttgtgggnaa 120
atgannaaca tggccattan nantgctggn atngngnang cncncntatc tngacagnna 180
ctangnatnc naggngact ttntgaata tgnngnannn nntttacnnn tccctnntgn 240
ntgntacctg ngtgcggntn ctntgacaan ctggtgcntn antncattcc gaatca 296

<210> 1521
<211> 283
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(283)
<223> n = A,T,C or G

<400> 1521
aattccgttg ctgtcgtgaa cttttggctg aacctcatca ctggaactcc agcttcaaga 60
atgtgttttc atgcccggcc ttgttctctc cataaatgtg tcccttagtt tcaaacagat 120
ctttatagtt cgtgcttcat aagccaattn ttattattat ttttgggna ctntncttcg 180
gaagattgcc ntgaagnntn nnnnaattaa naggacttt ngananaac tnnnattann 240
tangtnncnn nacntnanna anattnnang antttgagga gtt 283

<210> 1522
<211> 292
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(292)
<223> n = A,T,C or G

<400> 1522
aattccgttg ctgtcggctg ggctgaccac gttactcatc cccgttaaca ttctctctaa 60
agagcctcgt tcatctccaa agcagttaag gaatgggaac cagagtgttt taggacctga 120
agaatcttta tgactctctc tctttcactc ttttttttt ngcnnntann tnaaanncaa 180
agngnnngtt tnancgtttt ngtntctc gggccccng ttncannnan gggncaaaang 240
ntttggnntt aagncnatcc cncntnaaa tttggggacn aattttaatt cc 292

<210> 1523
<211> 269
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(269)
<223> n = A,T,C or G

<400> 1523
ccggaatacc tctactcgtt cattttgcag gancccatng attcgaattc cgttgctgtc 60
gattgtcagt ttgatattta ttttaaattg tggaactaga tgcataaatt cacatttctg 120
cctttccttt gcatcttctc atatattgtg ttttttttt tttcccnaaa aaaaanatta 180
aanncattnt tnancngnaa aaaccnnnnn tntntgtanc ccangantha nccccggnch 240

nanngnannnn atnttaatgt anaatttta

269

<210> 1524

<211> 265

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(265)

<223> n = A,T,C or G

<400> 1524

aattccgttg ctgtcgagga gatgcagttc ttaatgaagc tgctcaaatt ctgcgattgc	60
tgcacataga ggagctcaga gagctacaga caaaaatcaa cgaagccata gtagctgttc	120
aggcaattat tgctgatcca aagtnanacc acagactgtg aaaagttgga cgatnagtac	180
ntgatgnnnt cngntaggtta ncnnnancta ttatgncnan ctacanagnc tcggngccnn	240
gcagngctnn ntnctnnat tcttg	265

<210> 1525

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1525

aattccgttg ctgtcggtcc agtgccaaga gggcccggca agaagaagtg acaatgaagt	60
cttttcttgc ggacactccc tcctgtctcc tattttctgt aaataatttt ctctttttt	120
ctctcttgat gctcaccacc accttttgcc ccttctgtc tgactttata agagacagga	180
tttggtattct tcagaaatta caggaataat catttttct taccagttg tggcaagggc	240
caggcaccac ccatctaatt atgaagaagg acctaaaatt tggtttgcta ataccaact	300

<210> 1526

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1526

aattccgttg ctgtcgatga gaataaagtt agaatgagaa tgttcctagc atggtgcctg	60
gcatgagcag attctcagca gatgggccct cctgtaatcc gctgagggct ctctgcagt	120
gccagcaggg atcctagtca ttgtctccac cactcctgtc tgtcttcacc cagaaccttg	180
tctggatcct gggaggaagc aaacatctcc tgggtgggaat gtgagggcct gccaggttg	240
aggagtaact ggaaaagggc aggtggccct gccactatg tgggcacctc atgataaatg	300

<210> 1527

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1527

aattccgttg ctgtcgaaa atattattat gttagtttta gcgtggaaat tggaggctga	60
aagcatggga ttttttacca aggaagaatg gttaaaagga atgacttcat tacagtgtga	120
ctgcacagaa aagttacaaa acaaatgtga ctttttgccg tcacagtga atgatatttc	180
gtcatttaag aatatctaca gatatgcctt tgattttgca agggataaag atcagagaag	240
ccttgatatt gatactgcta aatctatgtt agctcttctg cttgggagga catggccact	300

<210> 1528

<211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(300)
 <223> n = A,T,C or G

<400> 1528
 aattccggtg ctgtcgggaa tgggttaggt gccgctgttg ctgctcgtgt tgaatctaga 60
 accgtagcca gacatgggac tggaggacga gcaaaagatg cttaccgaat ccggagatcc 120
 tgaggaggag gaagaggaag aggaggaata aanggttaana actggnttac anntgctttn 180
 atatgangaa tcaaaggcna nancnctntg aggtagtntt acctnnacct gcgntntnct 240
 atgntcctttt antgctgngt tgaanggtnt nannatnnnt ananatnnna aanccagctg 300

<210> 1529
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1529
 aattccggtg ctgtcgaaaa gccttaatgg ccatgaataa cctgagttag aattatgaaa 60
 atcaggggcgg gcttcaggtg tacatgaata aagttagtga tgatatcatg gcctctaacc 120
 tgaactcagc agttcaagta gttggactaa aatttctaac aaacatgact attactaatg 180
 actaccaaca cctgcttgctc aattccattg caaacttttt ccgtttgcta tctcaggagg 240
 gtggaaaaat caagggttag attttgaaaa tcctttcgaa ttttgctgaa aatccagata 300

<210> 1530
 <211> 261
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(261)
 <223> n = A,T,C or G

<400> 1530
 aattccggtg ctgtcgggac actttgtgat ttccattaa gccaactgca ttgactccac 60
 agcctcagcc gaggccgtgt ttgcctccga agtgaaaaag atgcaacagg agaactgaa 120
 gccgcaggag cagttgaccc ttgagccata tgaaagagac catgccgtgg attnatngat 180
 atgnatnnta anannnnnn gtnnntaan naaagttcnn ntanatnatn atnttaaten 240
 gnnattannn aanntntgng c 261

<210> 1531
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1531
 aattccggtg ctgtcgccaa gtccatgcgc tccatgaatg gctcgcggcg gaacagtggc 60
 tcctcgctag tgtccagctc ctcggcctcc tccaacctga gccacctgga ggaggacacg 120
 tggatcctgt ggggccggat cgccaacgag tgggaggagt ggcggcgag gaaggagaag 180
 ctgctcaagg agctgatccg caagggcac cccaccact tccgggccat cgtgtggcag 240
 cttctgtgca gcgccacgga catgcccgtc aagaaccagt actccgagct gctcaagatg 300

<210> 1532
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1532
 aattccggtt ctgtcggagc aattaaattc attgtctcag ttcaagagt aatatagcaa 60
 cttatgtgaa cctgagcagt ttgtggttgt gatgagcaat gtgaagagac tacggccacg 120
 gctcagtgtc attctcttta agcttcagtt tgaagagcag gtgaacaaca tcaaacctga 180
 catcatggct gtcagtactg cctgcgaaga gataaagaag agcaaaagct ttagcaagtt 240
 gctggaactt gtattgctaa tgggaaacta catgaatgct ggctcccga atgctcaaac 300

<210> 1533
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1533
 aattccggtt ctgtcggcgg gaaccacgag gagagcagtg agaccatgaa tgacttgctg 60
 gccaggtgg ccactaacac ggacaccagc cgaaatgccg gaaatgcggc cctgtttgag 120
 acagtactca ccatcatgga tatccgctct gcagctggcc tacgggttct agctgtcaac 180
 attcttggc gcttctact caacagtga aggaacatta ggtatgtagc cctgacatca 240
 ctgcttcgac tgggtgcagtc tgatcacagt gctgtgcagc ggcatcggcc cactgtggtg 300

<210> 1534
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1534
 aattccggtt ctgtcgaaaa taaagaggaa agccttttgg aaaagcgcag gcagctgtct 60
 cgtgatattg gtagattgaa agaaacatat gaagctctat tagccagatt tccaatctt 120
 cgatttgcatt acaaggatcc agagaagaac tggaatagaa attgtgtgaa aggacttgtg 180
 gcttctctga ttagtgtgaa agacacttct gcaaccacag ctttagaatt agtggctgga 240
 gaacgactct acaatgttgt agtagacaca gaagttactg gtaaaaagct actagaaagg 300

<210> 1535
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1535
 aattccggtt ctgtcgggtt tgcattagca tctgtctgtg atcctggaca tccaaatcat 60
 cctcttcacg cttctcagaa ttcagcgaga agagagagga tgactgcgcg agaagaagct 120
 agcttacgaa cacttgaagg cagacgacgt gccaccttgc ttagcgcccg tcaaggaatg 180
 atgtctgcac gaggagactt cctaaattat gctctgtctc taatgcggtc tcataatgat 240
 gagcattctg atgttcttcc agttttggat gtttgcctcat tgaagcatgt ggcataatgt 300

<210> 1536
 <211> 242
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (242)

<223> n = A,T,C or G

<400> 1536

aattccggtg ctgtcgattt tattttgac	cttggttaaat ttttatttta	attaataagg	60
tagtcattcc tgtagaggga taagatgctt	gtagagtgtt gggatcatt	ccaaatagaa	120
ctgttatgat ttgggaaata ttctttacta	caaaggactt atttcataat	tacaaatttt	180
ccttcatatt tgcctttgnn nataanannt	nnaggaanga cattntntag	cantannagg	240
aa			242

<210> 1537

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1537

aattccggtg ctgtcggtgt gtgtgtgtgt	gtgtgtgtgt gtgtatggag	atgctgaaag	60
agcattgata aaattctaga ctttcctaac	aataacccca agtaaaacaa	gaatagaaga	120
aattgctaata gttataaaga ctacttgtat	aaaactaatg tctaaatagg	gaagcactaa	180
agccatttcc tttagaatca gaaacaaaac	aagaatgcac attatcatca	ttattattca	240
acattgtttt agaaattcta gagactgcaa	tacacaagaa atgaaatatt	gggtatgaat	300

<210> 1538

<211> 260

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (260)

<223> n = A,T,C or G

<400> 1538

aattccggtg ctgtcgaaa tgcaaggggc	tgcatgacct accaggacag	aactttcccc	60
aattacaggg tgactcacag ccgcattggt	gactcacttc aatgtgtcat	ttccggctgc	120
tgtgtgtgag cagtggacac gtgaggggga	gggtgtggag gggttnnagtc	tgcnnngntn	180
ntgctcnnta cntnncnntn ctnccttnt	aaccgncnna tnnnngcnca	tgnagantnt	240
ntanngcact ttncctnngtc			260

<210> 1539

<211> 284

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (284)

<223> n = A,T,C or G

<400> 1539

aattccggtg ctgtcgaaaa tgcccagtc	aggtctgaatc gtcagtgc	tatattgact	60
ctgagcactt tagaatttag agttgcaatt	gaatgccagc tgtggagatg	gggtgcatat	120
cagatatata aataaagctc angtttgtn	nggaaccnng tattnnnaaa	nnctctntg	180
anntntntnt nnttnnantn tntanagnna	tnccttntt tntaaanntt	nnntnnaggg	240
nnatantngn nnttttgtnn atananncn	nanacctgtt tttt		284

<210> 1540

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1540
 aattccgttg ctgtcgcgca ctccctcttt ctctcttttc ctgtatcttt cccttttaat 60
 ttgctatagg aaaaacttaa acatgagtga gcaaagagga ggatgcaact gaatatTTTT 120
 ggaaatgtgg atatcatata agggcttgga agatcaacac tgggatgatg atgagcagaa 180
 tggtcatgaa gatgcccaaa atcagggccc agatgttcag gcacttggcg gtggaggcat 240
 aggcctgggc gccagtcagg tcgccaacca tcttcctgtg cctagacttc acggagtaag 300

<210> 1541
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1541
 aattccgttg ctgtcgggca cgtcctcgtg tatectgtgg aggacctga ccccgacccc 60
 caccctcgag gccagaaatc gggtgcctct ggggacctga gaagcgagac cactcgcgcc 120
 cctgacttgc aagttggggg ctttattggc ctccgggatt ctgctcgtgg cggtttctcc 180
 aggcctgtga tgggcaagcc ggggtgtacca agtccaggat gcacatgagg agccgtttgt 240
 aaccgcactg aatcacctca tgactagcgg ggcaggcctc taattcaccg cagggaatttc 300

<210> 1542
 <211> 265
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(265)
 <223> n = A,T,C or G

<400> 1542
 aattccgttg ctgtcgggatt ctccccctct tgaaaaaaa tcgatttttc aggatttaat 60
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 ttttccaaga tagaaaaagc atttatccta acaaatgggt attttttata agcctccatg 180
 tggctctgaa tgcaagctat atatagttag tttttctaaa ttaagggaac tctgcttttt 240
 tttttttttt ttaanaanc gggnc 265

<210> 1543
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1543
 aattccgttg ctgtcgggtg aggggcccgt tcgaagagtc gtgagggggg gacgggttaa 60
 gattcggaga gagaggtgct agtggctgga cttgacctgg aaagaatctt ctgctgactc 120
 tcaacttttc ctggaaaaaa tggatcattc ccaccatag gggatgaagc tatatggact 180
 ccacagtacc atgcaccttt tcaccatacc ccaccttc accttacct cccatggggg 240
 aaggagacag cagcatgatg atgatgccta tgacctctac ttggctttta gaatgtggac 300

<210> 1544
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(300)
 <223> n = A,T,C or G

<400> 1544
 aattccggtg ctgtcggaat atgatacttt ggaggggaaa tgcttggcgt gtgtacaagt 60
 atgaggagac caacttacac aacccatcaa atacttatgc tcctcatagc caaggaggtg 120
 ttccacctcc tgctggaatg taattaaagg gagaaacaca ctgtatgaaa tatatgtcta 180
 tatcatgact tggtgccaac atcttgaggc acattatgtt tttccaataa aagtaatgtt 240
 tttttttttt aannccccc n tgagatatca cctcacaccc atcagantgg ctactgtaaa 300

<210> 1545
 <211> 267
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(267)
 <223> n = A,T,C or G

<400> 1545
 aattccggtg ctgtcggttt ccactattga cactgcccggt ctgattcaag cttttggcca 60
 tgaaagagta tgcttgtcac ccagacgaat taaattatat agcagcatca ccaaccaaca 120
 gaggagatac cttgagaagc ggagcaaaca cagcaagaaa gtgntgaaga ctggncantc 180
 ccctatngac ttntgatcac accagaangn atncattca agnancnnnc catntatant 240
 tnncccttacn ntaannnnnt nnctngc 267

<210> 1546
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1546
 aattccggtg ctgtcgggag taccgggatt ctgatggaac ctcattctgtt tgaattacta 60
 gcccagaggg tcactactct ttacctgcaa acagtacctt ctctgatgtc tgggagaggt 120
 gggtttatttc ccatatactt gttaagtgtg gatcttgggg aagaacaact aacaccagaa 180
 acatcacatg ttggctgttg gggaggtgct tgtccatttt gtatcccttt tattttttcc 240
 caatcaacag agatccagtt agaaggagca gcaagacctt ccaggaggcc atgctggaag 300

<210> 1547
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1547
 aattccggtg ctgtcgagcgt gagcgggtct gggcggtctgc tggcagcgcc atggagacgg 60
 tacagctgag gaaccgcgcg cgccggcagc tgaaaaagtt ggatgaagat agttaaacca 120
 aacaaccaga agaagtattt gatgtcttag agaaacttgg agaaggatta ctgtagatgc 180
 agtatatgga atcaggaatc ttaacttcat gtgagctatt ggagtttcct ttgctatcag 240
 gatcataagg gaggggtctat gcagcgtata caagctattc ttaaggagac cggccagatt 300

<210> 1548
 <211> 300
 <212> DNA

<213> Homo sapiens

<400> 1548

aattccggtg	ctgtcgggtc	tgttttgttt	ttgggtttctc	ccttgtgtca	gttctcttct	60
ggcccagctg	ggtggctgtg	gaagtctgtg	aggtggccca	accacaagca	tacctattaa	120
gagaagccca	gagcttccag	ccccacttc	gaaaactctc	tctggcccac	atagcaaaact	180
ccttcttccg	tatttttccc	aaccccagaa	tttttttaaa	aaggccactt	tgccggaacc	240
ttctttgggc	cattttggtt	tccaatcaag	cccaagggtta	tatgaataaa	gggggttaac	300

<210> 1549

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1549

aattccggtg	ctgtcgagca	ctctatgttc	gttatctcat	ttgctctaag	tatgtaaata	60
gggaactgat	gaataaaaaag	gtgagtgaaa	tgacttggtc	acaaaaaaag	tgataaaaat	120
ggggattaca	gttcagtttc	attgactctt	agaatttttt	ctccttctcc	ccagcttttc	180
attttgaaaa	aattcctaac	atacagtaaa	gaacagaaca	acaagcacct	agattaaata	240
gtcattaatg	ttttgccata	gttgcttgat	ttttctttct	acacacacac	acacacacac	300

<210> 1550

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1550

aattccggtg	ctgtcgcttt	tacggaatta	agcagagaaa	atgatgaaga	gaaagtcacg	60
tttaatttga	gtaaaggagc	atgtagtca	tccggagcaa	catcttccaa	gtcaagtact	120
ctgggaccga	gtgcactgaa	gacgatagga	agttcagcat	cagtgaacg	aaaagaatct	180
tcccagagct	caactcagtc	taaagaaaag	aagaaaaaga	aatctgcact	ggatgaaatc	240
atggagattg	aagaggaaaa	gaaaagaact	gcccgaacag	actactggct	acagcctgaa	300

<210> 1551

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(300)

<223> n = A,T,C or G

<400> 1551

aattccggtg	ctgtcgagcc	tctagacatt	gcggccgcta	tctacgtaga	tccagacatg	60
ataagataca	ttgatgagtt	tggaacaaacc	acagctagaa	tgagtgaaac	aaaatgcttt	120
atgtgtgaaa	tttgtgatgc	tattgcttta	tttgttaacca	ttataagctg	caataaacia	180
gttaacaaca	acaattgcat	tcattttatg	tttcagggttc	agggggaggt	gtggggaggct	240
ctnatgtcca	ccagnagttg	ttcnaccct	cncangtnc	caggtgggat	cacctgatac	300

<210> 1552

<211> 244

<212> DNA

<213> Homo sapiens

<400> 1552

```

aattcaaggc ctctcgagcc tctagacatt gcggccgcta tctacgtaga tccagacatg      60
ataagataca ttgatgagtt tggacaaacc acaactagaa tgcagtgaag aaaatgcttt      120
atttgtgaaa tttgtgatgc tattgcttta tttgtaacca ttataagctg caataaaca      180
gttaacaaca acaattgcat tcattttatg tttcagggtc agggggaggt gtggggagg      240
ttaa                                             244

```

```

<210> 1553
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 1553
aattccgttg ctgtcgggta gaaatgggtc catttaaaca tacgggtgat gatggctctgg      60
atattagaaa ggcagcattt gagtgtatgt acacacttct agacagtgtt cttgatagac      120
ttgatattctt tgaatttcta aatcatgttg aagatgggtt gaaggaccat tatgatatta      180
agatgctgac atttttaatg ttggtgagac tgtctaccct ttgtccaagt gcagtactgc      240
agagggttga cgcacttgtt gagccattac gtgcaacatg tacaactaag gtaaaggcaa      300

```

```

<210> 1554
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 1554
aattccgttg ctgtcggcct tgttacagca aatactatcg atcagaaaat tgtggaaaga      60
gcagctgcta aaaggaaact ggaaaagtgt atcatccata aaaatcattt caaagggtgg      120
cagtctggat taaatctgtc taagaatttc ttagatccta aggaattaat ggaattatta      180
aaatctagag attatgaaag ggaaataaaa ggatcaagag agaaggcat tagtgataaa      240
gatctagagt tgttgtaga tcgaagtgat cttattgatc aaatgaatgc ttcaggacca      300

```

```

<210> 1555
<211> 299
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(299)
<223> n = A,T,C or G

```

```

<400> 1555
aattcaaggc ctctcgagcc tctagacatt gcggccgcta tctacgtaga tccagacatg      60
ataagataca ttgatgagtt tggacaaacc acaactagaa tgcagtgaag aaaatgcttt      120
atttgtgaaa tttgtgatgc tattgcttta tttgtaacca ttataagctg caataaaca      180
gttaacaaca acaattgcat tcattttatg tttcagggtc agggggaggt gtggggagntt      240
tccntaatn taanancnnt atgncnctag natgttacat gatgncnngn ncctgtgct      299

```

```

<210> 1556
<211> 291
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(291)
<223> n = A,T,C or G

```



```

<400> 1556
aattcaaggc ctctcgagcc tctagacatt gcggccgcta tctacgtaga tccagacatg      60
ataagataca ttgatgagtt tggacaaacc acaactagaa tgcagtgaaa aaaatgcttt      120
at ttgtgaaa ttgtgatgc tattgcttta ttgttaacca ttataagctg caataaacia      180
gttaacaaca acaattgcat tcattttatg tttcagggtc agggggagggt gtgggaggnt      240
ttgnccccct ntggcctttc ctancancct tcnaacctna cnnnacacct c              291

```

```

<210> 1557
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

```

```

<400> 1557
aattccggcc tgtcgagcct ctagacattg cgggccgctat ctacgtagat ccagacatga      60
taagatacat tgatgagttt ggacaaacca caactagaat gcagtgaataa aaatgcttta      120
tttgtgaaat ttgtgatgct attgctttat ttgttaaccat tataagctgc aataaaciaag      180
ttaacaacia caattgcatt cattttatgt ttccagggtc gggggagggtg tgggagggtt      240
ttacaatgtc cgctccatgc ccattccgcaa ggacgacnag gccaggtagt tcnaggacac      300

```

```

<210> 1558
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

```

```

<400> 1558
aattcaaggc ctctcgagcc tctagacatt gcggcccgtc atctacgtag atccagacat      60
gataagatac attgatgagt ttggacaaac cacaactaga atgcagtga aaaaatgctt      120
tattttgtgaa atttgtgatg ctattgcttt atttgttaacc attataagct gcaataaacia      180
agttaacaac aacaattgca ttcatTTTTat gtttcagggt cagggggaggg tgtgggagggt      240
tttantncta gnnanattnt gnanatnatt ncttttaatc nnnngnatntt aattacatgt      300

```

```

<210> 1559
<211> 291
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(291)
<223> n = A,T,C or G

```

```

<400> 1559
aattcaaggc ctctcgagcc tctagacatt gcggccgcta tctacgtaga tccagacatg      60
ataagataca ttgatgagtt tggacaaacc acaactagaa tgcagtgaaa aaaatgcttt      120
at ttgtgaaa ttgtgatgc tattgcttta ttgttaacca ttataagctg caataaacia      180
gttaacaaca acaattgcat tcattttatg tttcagggtc agggggagggt gtgggagggtt      240

```

ttaancangn tcttgatgaa tgtgctttgt gccaaaatgc ctccccattg t 291

<210> 1560
 <211> 297
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(297)
 <223> n = A,T,C or G

<400> 1560
 aattccgggc tgtcgagcct ctagacattg cgccccgcta tctacgtaga tccagacatg 60
 ataagataca ttgatgagtt tggacaaacc acaactagaa tgcagtgaaa aaaatgcttt 120
 atttgtgaaa tttgtgatgc tattgcttta tttgtaacca ttataagctg caataaacia 180
 gttacaaca acaattgcat tcattttatg tttcagggtc agggggaggt gtggnagggt 240
 tttctggaca gttcacgctg ncaatgaaat gngacctatg ntatccattg tcctgga 297

<210> 1561
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1561
 aattccgttg ctgtcggttg gttcgtcaca aggcacgca gaaggtttat gctatgaagc 60
 ttcttagtaa gtttgaaatg ataaaaagat cagattctgc ctttttttgg gaagaaagag 120
 atattatggc ctttgccaat agccccctggg tgggttcagct tttttatgcc tttcaagatg 180
 ataggatctt gtacatggtg atggagtaca tgcctgggtg agaccttgta aaccttatga 240
 gtaattatga tgtgcctgaa aaatgggcca aattttacac tgctgaagtt gctcttgctc 300

<210> 1562
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1562
 aattccgttg ctgtcgctgt cagccacaat gccttctgat gtgcttgagg tgaccaagaa 60
 gttcatgagg gaccccatc ggattcttgt caagaaggaa gagttgacct tggagggtat 120
 ccgccagttc tacatcaacg tggaaagaga ggtggggccc agtgaggag gcgggcctgg 180
 tagtgagttg ttgggtatag cccctgactg atttttgtcc cccaacctcc aggagtgga 240
 gctggacaca ctatgtgact tgtatgaaac cctgaccatc acccaggcag tcattttcat 300

<210> 1563
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1563
 aattccgttg ctgtcgggcc ctgtcctgaa ccagatgaga aactttggga tcctgtcggt 60
 tactactatt cagatggctc ccttaagata gtacctgggc atgcccgggt ccagcccgggt 120
 gggggggccc ctctgccacc tccaggcatc ccaggccagc ctctgccttc tccaactcgg 180
 cttcacctgg ggggtggcg gaactcaaat gccaatggtt acgtgcgctt acaactagga 240
 ggggaggacc ggggagggtc cgggcacccc ctgctgagc tcgcggatga actgagacgc 300

<210> 1564

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1564
 aattccgttg ctgtcgaaat ttttgaaggt cttggcccaa aagttgaact gccactgtat 60
 aaccagccat cagataccaa ggtgtacatc gagaacatca agacaaacca ggtgatgagg 120
 aaaaaactca ttttattttt taaaagaaga aatcatgcaa gaaaacaaag ggaacaaaaa 180
 atctgccagc gttatgatca gctcatggag gcatgggaga aaaaagtgga cagaatagaa 240
 aataatcctc ggaggaaagc taaagaaagc aaaaccaggg aatactatta aaaagcagtt 300

<210> 1565
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1565
 aattccgttg ctgtcggatg ctcagagtgt agtggatatt tatgtaaact atgactgtga 60
 cttaaatacga gccaatatat ttgaaagact agtaaatgat ctatcaaaaa ttgctcaagg 120
 aaggggcagt caagaacttg gtatgagtaa tgttcaggaa ttgagcctga ggaaaaaagg 180
 tttagaatgc ttagtgctga ttttgaagtg tatggttgaa tggagtaagg atcagtatgt 240
 gaatcccaac tcccagacaa ctcttggtca ggaaaaaccc tcagagcaag agatgagtga 300

<210> 1566
 <211> 1076
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1076)
 <223> n = A,T,C or G

<400> 1566
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 tggncagggg gaatacncca ancccgaat ttccngnana ggttnagggg ggnangggan 120
 ggcaggggaa nngagnccgg ggcttggcnc ncngaaaacc ngnanntttt tgtgggacgg 180
 gggggagggg ncngggggga ccggaataaa agcngggggg tgggggaaaa ggnaaantngg 240
 ttttcaaagg ggaatccaaa aacggggcgn aatggttaga ngggnggacc ctnggncctt 300
 ggggggaagn gnnacnngaa tttgnaaagg ganggnnnaa atcnngggaa ngtcccngga 360
 anaacgggga naagggggcc cangagggan gggctcccca agnggatttt ttaacggaca 420
 catggaacga agnaagggtt gtngggaggg ctcnaaaatg ngccngggaa nggggcnttc 480
 cangnggggn gggtanngta acannntcnc ggacaanatg ggnggccact nantngaaaa 540
 nnaatcttgt tgctattaaa aaataaagct gacccancgg gngaagtngc tnaatgggga 600
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 nacgggnaat gggngaantg gcaagtganng gnaacctant actcaangan ntnttatgta 720
 tnggnnagan ggagnaagac cttgggaaga anccncttg gggcttatga aacgggggaat 780
 aaaatagggg gnaangtggc natccntttc ttggggacan gggaaacttg tcagggggga 840
 aanggaacat ggaggggggg nggcgcaagg gncctgctca atngngttct taatggnanc 900
 cttgncttaa aanggagant aangngaaan aagtgggggn nattgttggg naantntatt 960
 tggggggaat antgggcacg ggctnaataa ataanngcnc gnaggcccat aangggaggc 1020
 cncnangggg acccentgga nnattgggca gangnanctt tntnannnag gttaan 1076

<210> 1567
 <211> 745
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(745)

<223> n = A,T,C or G

<400> 1567

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aaactaatca	atgctgaggt	ggctaaatac	ctagcctttt	acatgtaaac	ctgtctgcaa	120
aattagcttt	tttaaaaaaa	aaaaaaattg	gggggggttaa	tttatcattc	agaaatcttg	180
cattttcaaa	aattcagtcg	aagcgccagg	cgatttggtg	ctaaggatac	gattttgaac	240
catatgggca	gtgtcaaaat	atgaacaac	tgtttccaca	cttgcacctg	atcaagagca	300
gtgcttctcc	atttgttttg	cagagaaatg	tttttcattt	cccgtgtgtt	tccatttcct	360
tctgaaattc	tgattttatc	cattttttaa	ggctcctctt	tatctccttt	cttaaggcac	420
tgttgctatg	gcacttttct	ataacctttt	cattcctgtg	tacagtagct	taaaattgca	480
gtgattgagc	ataacctact	tgttgnata	aattattgaa	atccatttgc	accctgtaag	540
aatggactta	aaagtactgc	tggacaggca	tgtgtgctca	aaggacattg	attgctcaaa	600
ttttaaggaa	atgggnccaa	tgaaccgtng	gttggtggga	aggggaaaga	ngaaaccnga	660
gcttgggtcan	aatgtggaaa	tnngatctgg	tggnaataaa	catgtttaa	accaancnn	720
nnnnnaaaaa	aaaagncctt	tttta				745

<210> 1568

<211> 674

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(674)

<223> n = A,T,C or G

<400> 1568

acgaggctgc	atctgnnnnn	aggatgccac	cctacgctgc	gctggctgcg	atggggacct	60
cttctgtgcc	cgctgcttcc	ggtgggtgca	ggtggaatgt	tctgtgagag	agctcaaggg	120
ctgcctggat	ccctgacttg	tatccctttg	ttccacagag	agggccatga	tgcccttgag	180
cttaaagagc	nccagacatc	tgccactctc	cctccacgtg	caggccaaga	gcactgaaga	240
caccctggtc	ctcccgggag	ggcagtccca	caggcagcgg	caccatttc	tgggccccgc	300
cacaggacgt	ccgatgggag	agcttgctcg	gctctactga	tgatggatag	gcccttctc	360
gagccttggt	gtccctggaa	tgaggaaaga	ttctccattc	gagagaatga	ctgggagggg	420
agaagtcggg	gccctcctat	tagaagccca	gactggaagt	gagaggcatg	atggggagag	480
accagactga	atctacgggt	gagccctgta	acctggctct	agggcacang	cccctccctg	540
gcacttantg	ggtctaataa	agtatgttga	ttcattggga	aaaaaaancc	nntcntngnt	600
nnannnaana	nnctccccc	cccttaaaaa	antntnnggg	ggggnnnttt	ccctnancce	660
nnanttnaaa	aaan					674

<210> 1569

<211> 747

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(747)

<223> n = A,T,C or G

<400> 1569

gnnnnnnnnn	ntnnnnnnn	annncnnatc	gantcgcacg	agctgcatct	gcaatgagga	60
tgccacccta	cgctgogctg	gctgcatgg	ggacctcttc	tgtgcccgt	gcttccggtg	120
ggtgcaggtg	gaatgttctg	tgcgagagct	caagggctgc	ctggatccct	gacttgatc	180
cctttgttcc	acagagaggg	ccatgatgcc	tttgagctta	aagagcacca	gacatctgcc	240
tactctcttc	cacgtgcagg	ccaagagcac	tgaagacacc	ctggtcctcc	cggaagggca	300
gtcccacagg	cagcggcacc	catttctggg	ccccgccaca	ggacgtccga	tgggagagct	360
tgtctggctc	tactgatgat	ggataggccc	cttcctgagc	cttgggtgtcc	ctggaatgag	420
gaaagattct	ccattcgaga	gaatgactgg	gagggaaaga	gtcngggccc	tcctattaga	480
agcccagact	ggaagtgaga	ggcatgatgg	ggaaaagacc	agactgaatc	tacgggtgag	540
ccctgtaacc	tggctctagg	gcacagcccc	tcccctggca	cttantgggg	tctaataaag	600
tatgttgatc	attggganaa	anannncnnc	atcnnncnnc	cnnncnccct	ccccntnaaa	660
actttggggg	ccntttcttc	aacccccnct	ttaaaanacn	ttgnngttnn	nnacccccct	720
ttanntnnnn	nnnttctctc	ccnccn				747

<210> 1570

<211> 754

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (754)

<223> n = A,T,C or G

<400> 1570

gnngnnnttn	nnnnnnnnng	nngnnnnnng	ngngnnnttt	ctaagtcttc	caacagncnc	60
nggggctcga	actcgctcca	cgcagccnng	cngtgngaatt	tcggcacgag	gacngcacac	120
ntcacggggt	gcctcccaa	cncnccgcat	gcgagaccn	gngccaatat	cggggggntc	180
aatgaccann	ngggctcagc	atgganaaac	agngccctgc	ctgaagggca	gnnagaatca	240
aaaggatctt	acccctngta	tcangagggn	ggctatgttc	cctccatncc	aagnngagcc	300
cnggactaga	aagcacgatg	ncgncnnaca	tctactgnaa	ncgcctaaac	anaatccctn	360
ctccntgang	ggcnaaacgn	cctcatcccn	aatncaacan	tgggcnnгаа	ngactgaaaa	420
tcgccggaac	tcancaccat	gatcggaccg	ggacantcag	accctntcct	gccncancna	480
ncgncnatcg	atccgaaaag	tgnanntatn	agcacaacna	cgggggaggc	atanggaccc	540
tgcnagaaag	aacnngcncn	nnctcncnng	gactgccatg	aaggntagcn	gcctaaaatc	600
nnnncctgac	actcggagg	ccgccacaan	nngnnnaagn	nanggcnnга	cgnnacactg	660
gntgaaaaaa	annnnngnng	nncnnggnaa	accenngecc	nnnnnacnnn	nnngngncgn	720
annccnngcc	ccnnnnnacg	atnggnnccc	nngc			754

<210> 1571

<211> 761

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (761)

<223> n = A,T,C or G

<400> 1571

ttaatanatc	cttgatttgg	cngatccatc	gattcggggc	aaaatcgaaa	tcaagttatc	60
cgatattcca	gaaggcaaga	acatggcttt	caaatggaga	ggcaaaccct	tgtttgtgcg	120
tcatagaacc	cagaaggaaa	ttgagcagga	agctgcagtt	gaattatcac	agttgagggg	180
cccacagcat	gatctagatc	gagtaagaaa	acctatcang	ataaccatt	caggtttctt	240
tactcgatct	agatcatgta	aagaaacctg	aatgggttat	cctgataggt	gtttgcactc	300

```

atcttggctg tgtacccatt gcaaatgcag gagattttgg tggttattac tgcccttgcc 360
atgggtcaca ctatgatgca tctggcagga tcagattggg tectgctcct ctcaaccttg 420
aagtcaccac gtatgagttc accagtgcag atatggtgat tgttgggttaa gagacttgga 480
ctcaagtcnt aggccttctt cagtctttat gtcacctnag gagacttatt tgagangaac 540
cttctgtact tgaagttgat ttganatatg taagaattga tgatgtattt gcaancatta 600
atgtgaataa attgaattta atggntgaat actttcaggc attcacttaa taaagacact 660
ggttaaccac tgnatgctc aatcataccc nctaaaaggt acaaattggc tttttaccta 720
atnctaattn aaaaattncc ngactggngg taaaaaaaaa a 761

```

<210> 1572

<211> 712

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (712)

<223> n = A,T,C or G

<400> 1572

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agnttcgaat tcngccgagg ttacatcaag agataaatag agtgaagcag aactagtggg 60
gcggaaccagc tcgccagcaa cagaaggggt tgtagtcggc ctggcagtg acagggaggt 120
tggctagaac tattacctta ggtccgtgat aatatccctg aatccaactt ttcagaaaga 180
aataggtaac atatttttca ccaggaagct tcaccagac actgaacaga atgggtctcag 240
tgcactaatg gaggtcagc taaaggggtg tggtagcaca aggaagagac attctgactt 300
ggaaatttgg agaaggcttc acaaataaag gggcatttga aatgagcttt gaaggtgcaa 360
gagtattcca agttgagaag acaacctgag tgggtgttggg tgaacagtca ttctacctgg 420
ctgtagtgtg gtatagtgtg gtgtagtgtg ggaaacatca gaggagtggg gtgggatatg 480
agcctggaga gagctggcgg ccatggatca ttgaaagcct tgaatgtctg atggggaggt 540
tgactttatt ttgtaggcaa tggaaaccac catggttttt agttgagcag catgaaatta 600
agcctgtgct ttgcaaagat taatctanca ccaccagatt gaagccacac cccatttctg 660
gtataatcca gtaaaatat acactntttc tgtattgggc cataaaggct tt 712

```

<210> 1573

<211> 1259

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1259)

<223> n = A,T,C or G

<400> 1573

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ttenacnnnc aantnnnnnn tegtnttatn tancaangta ttngnnncan gntannnttc 60
atatgttnaa aacnggnnnc gnttantant anacnctann nntannngana ngtnnccttn 120
tanatctgtg ncaaatatat cgtnangtga actcanngnn nacacnacn atntnntngt 180
anacncannn ccagantnct tgaactntct nncacaanca tnnngaaana aatacntagt 240
nntnccaatt tattgatcgn antnngcacg agaaaacacc ntncatggca cctcgtttgg 300
nncaaatag gctatgtttt tgaaagtaac ctttccacaa gncaataaca gaagctatgg 360
tgaaatgtaa aaattcacia ttctactttg tttcactgag tgcccaatca acgattcata 420
cagttgagat gaatgtgaca aaactctcta tagataaata tatattgcct aagtttatct 480
atatatatat gtctttgtgt gtaattattca tacacagata tattgcaana ganattaaat 540
antcttnctt acataaaacca ncnntagat catntnnca gggaatatga ganttacacn 600
cataggntcc tatgantgga ncatnnagac atatnataaa cnntttanga aaagantang 660
ccattnnatn tctcctgatn tcatnaactt nanncncan tnanttcnca ncanctnntt 720

```

tncatctnct	tangntngcn	ctnnnnnnan	tnncaattcn	tagtatggac	tctnnntttn	780
cgancagann	gtntncttca	tntccnaatn	tantatnanc	taacanaatn	tggnnatatn	840
ntgccatnta	nttccgnaan	acgcataatna	tnnccgtagna	ccnacngtnt	cacntntnct	900
cncttatcta	ccacattgat	cgtnttagca	ncggtcgtta	cahtntntca	tatacatcgn	960
anatctcgcn	atntcnacat	ataattanan	nnnantatnn	atgnaangt	nctctnatat	1020
gangtgacac	taattcatnc	gagtnacgn	tntanatnna	catanantnt	ctactgtttt	1080
annccgncat	gtcagnatat	gtttcgagnt	cnctnnntca	tcgannnacg	ncgtgcntnt	1140
ctcacgtctn	ttatcgncn	ntatcatgcn	cnatttnttc	ntctgtantc	attntatgca	1200
tatanagtga	cgnacnnatc	tcnatcattt	tcatatnttt	tnctcggtan	canactncn	1259

<210> 1574

<211> 768

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(768)

<223> n = A,T,C or G

<400> 1574

gnnnnnnttn	agatcngctc	tttctatnt	gcaggatccc	tcgattcgaa	ttcggcacga	60
ggtocccagga	aattcctccc	cttattcttc	cttgaagtgc	ccgagcatgt	agggcaagaa	120
ggaaggctga	agcgtctgcc	ctaggaggaa	tttctccttc	aggggagcct	cagttttgcc	180
catttatcta	attgaatcag	ttttttacc	aatcccccg	ttttgtagga	taatctccct	240
tatctaaagt	caactgatta	tggacttta	tcacatctac	aaaacacttc	catggcgaca	300
gctagatgag	tgtttgaata	actgggactg	tagcccgtcc	aagttgacac	ataaaaactga	360
ccatcgggcc	ggggggcgtg	gctcacgect	gtaatcccaa	cactttggga	gccccaggcg	420
ggcggatcac	aaggtcagga	gttcgagacc	agcctggcca	acacggtgaa	accccgactc	480
tactaaaaat	acaaaaaatt	agcccgggtg	tggtggcaca	cacctgtagt	cccagctact	540
cgggaggctg	angcaggaga	atcgtttgaa	cctgggaggc	agaagttgca	gtgagccaag	600
atcacactat	tgcaactcca	ncctgggcga	cagggcaaga	actctgtctc	aaaaaaaatt	660
aaaactgacc	atctagtcct	tggcatctgg	gcacccttna	aaaaaagcct	tntagaacta	720
tagtgagtcg	tatttacgta	gatccagaca	tgataagatc	cattgggtg		768

<210> 1575

<211> 752

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(752)

<223> n = A,T,C or G

<400> 1575

tcagctctnt	ttatatatgc	aggatcccat	cgttgcnnt	tctgcacgat	cgtatcanga	60
nattcctgcn	cttattcttc	cttgaagtgc	ccgagcatgt	agggcaagaa	aggaaggctg	120
aagcgtctgc	cctaggagga	atttctcctt	caggggagcc	tcagttttgc	ccatttatct	180
aattgaatca	gttttttacc	caatcccccg	attttgtagg	gataatctcc	cttatctaaa	240
gtcaactgat	tatggacttt	aatcacatct	acaaaacact	tccatggcga	cagctagatg	300
agtgtttgaa	taactgggac	tgtagcccgt	ccaagttgac	acataaaact	gaccatcggtg	360
ccgggggcgg	tggtcacgc	ctgtaatccc	aacactttgg	gagcccagag	cgggcggatc	420
acaaggtcag	gagttcgaga	ccagcctggc	caacacggtg	aaaccccgac	tctactaaaa	480
atacaaaaaa	ttagccgggt	gtggtggcac	acacctgtag	tcccagctac	tcgggaggct	540
gangcaggag	aatcgtttga	acctgggagg	cagagggtgc	agtgagccaa	gatcacacta	600

ttgcacttca ncctgggcga cagggcaaga ctctgtctca aaaaaaatt aaaaactgac	660
catctagtcc tttgcatctg ggcaccctna aaaaaaagc ctttagaact atagtgaagtc	720
gtattacgta gatccagact tgataagatn cn	752

<210> 1576
 <211> 767
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(767)
 <223> n = A,T,C or G

<400> 1576	
gaattcgnnn ncagacaaga aaaatgattc aaaaaantnt tgagccactt ttggataagg	60
aatcaatttt ttagaatcct actttggatt taccttggtc tatagggaga actgagggaa	120
ctgcacattc atccagtacc tcagatgtgg atttcacggg tgcttccagt gcaaaagaaa	180
ctacctgctc tagcatttcc aggcattatg gattatctga ctccagaaaa agacgcgtac	240
aggaagatct tggcctgctg caataccaca ttgctggaga agaagaggtc gtcttccaag	300
aagagcactc cagactcaga actcagaaat tgtaaaagat gatgaaggca aagaagatta	360
tcagtttgat gaactcaaca cagagattct gaataactta ncacgatcag gagttncaac	420
tcaatcatct aaagaactcc attaccaagt tattttgggtg ctgcaggtag aatagcatgt	480
ggcgaaaaat cccgagtttt ggcacgtcgg gtgacacttg atggaaagggt gcagtntctt	540
gtggaatggg gaaaggacca actgcatcct gactgtaagg acngaacatt atgttccact	600
gcactctgat tttctgtang gtaccagttc caaaccccta aaggagccnn ggcttntact	660
attttntttt taaaanacan antnncacc ncncttttnc cctatnttcc nntcncccc	720
ccnnnttccn ntcccccttc cctnctnctn ctctncccc acncccc	767

<210> 1577
 <211> 1000
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1000)
 <223> n = A,T,C or G

<400> 1577	
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ntcataatna ttnnnnnnnc nnnnccnatn ttnttnnate annntttttt natatnanca	120
tattnttaca atncccttatt anannaatnt ntntntccnt nctttanaac ancntcntcc	180
nannaanttc nnnatatttta attnccctcn acccnacctt ttncnattca anantnancn	240
aattnttanc tnnnaatnt actaaacnca nacncatnac cactantacc tnnaatntac	300
atcannctat tnnntantcc cttatannct ancnttctta tcatantacn nctatntatt	360
ctactctttn ncatatctca nctcatcnnc ncnacctct atantntatt tnttctncat	420
aaaattctta ttcttcaanc annaaaatca catttnattn cactatctca ataaaaantn	480
nnactccntc naatcctctc taacaatnat tacattacat atnaattaaa ntcantctnc	540
tnattcanaa tcatctattc ntcccactat aantatntcn tcttcantta tantantntn	600
nnattcnttc catttattan tctcantaca tactanatnt anctatcntc cnttccctaa	660
ctcnctactn cnnatanaat anaantttca aattcantaa tacantcata annctaaaan	720
acaaataatn taanttatan tcccacacca ctnancnta taantattcn tntatattct	780
aatcatnctn ntattctttn acnttttcat tnncaannnt caantnatct antanatatt	840
tntntanant cactcnntan ctttatnant antntnttt tananacant ataccntcta	900
acnatnatct ttntcntact tnaantctnc atatttnatca tnnntnctn atnactattt	960

naaaatcnta tcacancttc tancacactn cncntntnncn

1000

<210> 1578
 <211> 727
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(727)
 <223> n = A,T,C or G

<400> 1578
 anntcaatcg nacgagactg ttcagttctg gcttgaaaat gtgtgtgcc tactgtgacc 60
 cacgggcagc ccctcctcct ctactgtgtc aggtggacca gggtcacctc tgttctgcgc 120
 agctttgaga ttctaggatt ctacggccgg cacgaatggc atgggagggg tctctgcacg 180
 ggacggcata acggcatgcc atccttcagg ctggcaggag cctgcgcagg tgtggcaaaa 240
 tcttgaaaca gcctgtgtcc tgccctggctt ttcactttcc tatttaatat aagaaagcac 300
 ttttttttct gctttaccta caaatgggtt gaaaatggcc tectctgtcc tctcctctct 360
 tttatacact ctgtaaaaatc acaaagggtc ttcaacaccg actgtcatgc agtgcgtgtt 420
 tgtgaattgg cagtttctgt ataaactctt atttatataa naaaaaaaaa aannnnnnnn 480
 nnnnnnnnnn nnnnnnnann ccccccccn naaaaatntt gggggggntt tttccgnnan 540
 cccnaactnn aaaaaacnt tggnnnntn ggcncncncn cccnnnaaaa nnnnnnnnnn 600
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 660
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 720
 nnnnnnc 727

<210> 1579
 <211> 1039
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1039)
 <223> n = A,T,C or G

<400> 1579
 ccagccanaa nacngngana aaaggncnga cgnanacaga nnncgannnc gacgccngnn 60
 gaanaagcan anancacccc cccaggcgtt ggaacccttc anagncgacg aaggcagacc 120
 cagcancgaa ccggcacgag actgannaga ncnggcncga aaaagtgtgn gccatactga 180
 gacccacggg cagcncncc gccnctacag ngncaggngg accagggaca ccncnggacn 240
 gcgcannacn gagaannaag gaancnangg ccggcacgaa gggcaaggga gggannnctg 300
 cacgggacgg canaacngca agccagcctn caagcnggca agancagacc agngggcggc 360
 aaaaacaaga aacagcccga ggcncagccc ggcncncaac caggcccnnaa ncaagaaaag 420
 anaagcacn gngcnggacg gcngnaccca cacaacgggc acgnaaaaag ggcngcccgc 480
 gnggacacng cnnnncatng gaaaccacn ccnggnaaaa ancaccanaa gggggccngc 540
 anaaaacccg aacnggganc aagngccann cagncgggnn aaanaggang naaaaacngg 600
 ccagnnngcn accnggaaa aaaaaaacgn cncnnnatn gncgcnnnnc cnnncacggc 660
 aananaccan agcgggacag acanngancg canacanang cganccgaga anangaaaag 720
 aaggagaca aaacagcang anngacgaan anggnacacg cnacacgcac agcgangnng 780
 nancaaaagn annncngca nnannagnn gnancaaaa naacgcgang agannagana 840
 gnggacgcac nngcncacna ganggcgnc ngacgnnncc ccaaaacgac nnacgnnnng 900
 gagcaganaa cgacgcacna naaaggacgn anganncann nccnggaana aaggnaaaaa 960
 nngnngnacn anggcgacn caggagacaa canangnnaa agcnaagccc cnagnacaaa 1020
 agcaccaaaa naancnccg 1039

<210> 1580
 <211> 759
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(759)
 <223> n = A,T,C or G

<400> 1580
 gcnnntttgat ntncatacan ctacttggtc tttttgcagg atcccatcga ttogaattcg 60
 gcacgagctg ccttccaaca aaatcgtaaa gggggcagag gagttggtgg ggcaggagtt 120
 gccttattcg ctgaccagt acaactgcga gcacttcgtg aaccatctgc gctatggcgt 180
 ctcccgcagt gaccaggtgc atcttcagcc tgcacccct tcccaggagc caggccactc 240
 cctcagctgc cagaggctgg gtccctgctg gggccagggt gggatggaaa tagacatgag 300
 caagacaaaa tagcagatat gaaactgttg tccttgaggg tgtcacattt ggggtgggga 360
 caaggggtggg gagataggca agtcggcaat gtagaccagt gcagtgggtt ggggggtggc 420
 cacagaaggg agtcacagcc tgaaacagcc ctccacagcc ctgaggccg gctttatgat 480
 tcccacttta cagatgggga aactgaggct caccgtgctt aagtaacttg tccaaattca 540
 ttaaactcct agttattgag tctctagtcc atgtcancca tggatgaaga cgggggagtt 600
 aaacctacat gtgttctctc caagggcccc gatcaaggaa agcttttgta gaaanangtc 660
 acaccgagc ccacctgatt taattatctt gattaatctt gaaaaaaaaa tgaacctgga 720
 gattaccagg gaaccggggg ccaataanga agtgtagct 759

<210> 1581
 <211> 980
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(980)
 <223> n = A,T,C or G

<400> 1581
 nntnntnnnn tnnnnnttn tnnntnnnnn nnnntnnnnn nnnntnnnnn nnnnnnnnnn 60
 nntnnnnnnn nnnnnnnnnn ncangnnnnn nnnnnntnnn ntnccttntn nnnnnnnnnn 120
 nnnntnnntc cccccccc cnnnncccc cccnncnnt tnnntnnnnn-anganntacc 180
 agtaggancg aagttatnct accacatgaa tnatnntgcg gncttgtag agttggtggg 240
 gcaggcagnt gccttattnt ntgaccngng acanctgnna ncacngggtg annnntntgc 300
 tctntggcgn nccccntgt gaccaggtgc atcttcagcc tgcacccct tcccaggagc 360
 caggccactc cctcagctgc cagaggctgg gtccctgctg gggccagggt gggatggaaa 420
 tagacatgag caagacaaaa tngcanatat gaaactgttg tccttgaggg tgtcacattt 480
 ggggggtggg acaaggggtg ggagataggc aagtcggcaa tgtataccat tgcagtgggt 540
 tgggggggtg cccacanaag nggagtcaca gcctgaaaca cccctncac agcccttaga 600
 ggccggggtt ttatgattcc cacttttaca ggatggggaa actgaggctt caccgtgctt 660
 aaanttactt gtnccaaatt ccttttaaact ccctagtntt tgagtctcnt aagtcattt 720
 tcagccccatg ggtgaaatag ccnggggggg aattttaaaac cctacnttgt gttcttttcc 780
 caagggggccc ccgantcaaa nggaaaggct tttggtatna agaanggtca cccccccga 840
 gccccagcct tgattnttaa atnatcttgg ttttaattct tgaanaaaa antgaactng 900
 ggatattacc agggaanccn gngggccaaa tttaatggan atgttttngc cntaagggaa 960
 ccancctgtg agnccnngcg 980

<210> 1582
 <211> 1336

<212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(1336)
 <223> n = A,T,C or G

<400> 1582

aggnnngnnn	nnnnnnngnn	ngnnngnnnn	ngngngngng	ngnnngggnn	nnngngngnn	60
ggngnggggn	nnngnnnnnn	nngannnnng	gnnnngnnnn	nnnnngggnn	nnngngngnn	120
ngnnannnnna	gangnnnnng	nngnncnnna	ngangggngg	nnngnnnnnn	nnnnnnnnnn	180
nnnnnnnnnn	gnngcngnt	angntgggaa	aaaanccccc	ntttttgggg	aagaaanann	240
ccccccnggn	ntnctttttt	tttgggccnn	gggggnaaan	cgccccaan	ccgggggaag	300
ggggcggggn	aanatgtgnc	gggggncnaa	ccgnaagg	ggaangnga	nagnnngng	360
ggannnnnnng	nnnggnnagg	ggnnnnnnng	ngnntttttt	ttntnnaa	aggccnagnc	420
gangnnnggg	nnnggnngg	cngnnnnaag	ggggnggggg	ggggggagnt	angggggcan	480
gnnnaggggg	gncantancn	nanggggggn	gngagaacgn	naaacaacac	agggnncngg	540
aaggagggng	gnnnagnnng	nnngagnnac	ngggcgnnng	gngngnaang	ccnncngggg	600
gcngggngan	gngnananca	nggggnanag	nagangggag	nggggaaagg	gnggggccgg	660
aantgnngga	gnggcaagg	angnnnganc	ggagggangg	ggcgagagg	angagccnat	720
cgagnggggg	nagggngac	aggaanggan	aagnangggg	gnaaggcgng	aancgaagg	780
gggggnatga	ggaggagann	gngagngctg	gggggaagg	ggnanngggg	gggggnngnn	840
gagnggggna	gngggngggg	ggangangat	gggagcnaa	cggtggacaa	aacggcggn	900
caggnggggc	aggnanaaaa	gggccgggag	cgnggcngng	ggggaggngc	ggnggtgtan	960
gaggcaggna	aattganngg	gagacnnngn	nggcgnngga	gggnngaana	gngnnnga	1020
naagacggaa	cnaagtggag	gaggggggnan	nnngcgagag	agagngagg	ngtanggnag	1080
anananangg	nnaggacngg	ngncgngng	nnagtgagn	ggcgagagg	agngngaggn	1140
gagcgnggan	ngagggngg	nacgggggatg	gggangncng	ggggngnnnc	gcggggcgtg	1200
gggacnccng	gggggggggg	gggnnaaggn	ancnngggg	ngnannagan	gangggngnn	1260
cgntgcnggn	gngggggggg	gagagnaang	agnacnggg	gggggnnacg	nnggggngga	1320
gngcgagann	gcgcgg					1336

<210> 1583
 <211> 1328
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(1328)
 <223> n = A,T,C or G

<400> 1583

cttatgnnag	atcttatcnc	nntaactnga	catnnaanan	gnagtnnntc	nctagccnat	60
taacacattc	cgatntntat	taaccnccnn	ccncccncc	ccctcnnnnt	tccaaagnta	120
aatcgnggga	gaaaatctcn	ttcggncccc	nntgnanttt	gntagagana	atgtntnttg	180
ctatggttnn	gngggnnngn	ctatcttttt	actnggggna	ttttatnntn	ntaacacatc	240
tnngaangct	atcctacctt	actnnanatan	atacgagnaa	atcatgacca	cttcnntatga	300
cnnaaaacat	agannncacn	acccttctnn	ncgagtannn	ctcctagnac	ttattntata	360
ngtagnatna	nnaaattcnn	aatnatttcg	nacannnctt	ttannttann	tagnatnaga	420
ctnattantt	ancgattnat	ntatactata	nnctanctnn	ncacntagca	nacttgnnan	480
acaggcgagta	cctagnctna	ttcngctcag	cacanctnta	atccaccagg	aaanaannat	540
ataanncnan	cntgtaatat	cntttttatc	nctnnncaact	ggnatcann	nncatntgat	600
tcatacatag	aatntatatt	tcnntcttng	gcataatn	nattcatnat	annncgctct	660
ncnanacacc	acatanataa	ntatagngct	atatnattaa	attcncaatc	tggnacnnac	720

naanttaana	ancanctanc	tacacacaca	atcanaattc	acataatgac	ntantntcnt	780
nacanatana	tanctaant	agaaagnntt	attctgnnta	ncccnncctt	aatntngcnn	840
tctcgnttnt	gnatnncgat	aanannaacn	nnatnttatn	tntacanaaa	atagnacata	900
tggcnctaca	tctacgtatg	cgcatcacn	gncttatgaa	nntncncacg	tnacagagac	960
ntactancac	angtaanann	tcttcncnan	tnagnctan	tntcacatna	cacnntctag	1020
anntaactna	ttncacagan	catacntctt	atcannatnt	taataataacg	nacnncncat	1080
tcacacacac	anancataca	nagantgtga	natatanact	anctaagttn	attaaaacat	1140
agttacatnt	nnatatnnt	ctnancntat	atcgnctcct	atnttanctt	cnctcnatnt	1200
gcaantgtat	caatactcat	nactanagna	ttctntctct	atattttaat	tttctntntn	1260
tatannttac	ntantntca	caccctatac	taagatttna	tnanantctn	atctanccac	1320
tanatnnn						1328

<210> 1584

<211> 740

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(740)

<223> n = A,T,C or G

<400> 1584

caccccatcg	tgtacttaac	tgtgcgtgac	gtgtgctttt	ggtangcatc	actgtgcecca	60
agtatttcat	gtncattgta	aagaggaaaa	atacagattt	ctctataatg	tnaccactta	120
tttctaattg	ccacttttca	tcttgtggaa	atgccatgtt	ctgattcant	cttctgaatt	180
tgaacattat	tcagggtatt	tccaattgct	gggaatatcc	ttactgctaa	aataaancct	240
tagcattgga	attgctaggn	caaagattat	gcatgctttt	taagggtttt	tgaaatgtat	300
tgccagtcct	tgccctgcca	ccctccctga	acatgcctgg	tcttgcttaa	aatgtattgc	360
cagatantcc	ttgggaagtt	catgttgtct	ttaacaatgt	gaaatagtac	nnctattcac	420
nttccttttg	tctgacaatt	nngataagtn	aataattgtn	tcccaccatt	ntgtagtann	480
ggtttttaac	ntggaaatcc	naatcaatac	ctgggctgaa	gcatcagtgn	ttcccacccta	540
cctanccaaa	aaaaggattc	nagggtattc	cnncaatcag	tacctgccct	aatatattan	600
agcccttacn	ggnatnaat	canaanangc	ttttaaaaac	aaanaanccc	nggacnnggc	660
cnttttacnn	aaatgcccc	ngcccntntn	aaaaagnnac	tnggntttta	angnnatnga	720
aaatggcctt	tgggcncgtt					740

<210> 1585

<211> 1003

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1003)

<223> n = A,T,C or G

<400> 1585

tttttttgaa	acctttnnnn	ntngaatacc	nanacaaact	ctgnntgtct	nngcgggac	60
ccntcaagtc	cnatnccgcn	cgagcncanc	tttntnnann	tgtcgcgtct	gagcccatga	120
gnacagacnn	cnttnccegg	cgctgnatt	gncatntctc	caaatacgt	ggctnnccn	180
cantnnga	natcgnnatt	tttagtgcca	gannattggc	nataatgtnc	ncntgagan	240
aaannctnct	gncatngaa	accatcttna	tacttgnct	nncnaaatnc	attgtgannt	300
ntgaagggga	acgggcctn	nnaaagngat	gaatttcnna	taacttnaen	ggttnatnan	360
gaatgatttt	gcncacanc	ggaaaatcac	cccactnntt	tgnttcaaga	ntgggccct	420
aacgggaggg	gtantagagg	caaaccntct	ttgcgggctn	ttntatttcc	ttntttcaaa	480

caccaatntt	tgntgaanaa	taacagtgtt	ttnaattnaa	ttaccaccgc	ntncantgng	540
attntttgnc	ccattncaaa	ggntgggtca	attcccctaa	aanaattggg	aaaanantaa	600
tttnccattt	cntttttccn	ttnaaangaa	acctnccnt	gnanttataa	aanattctn	660
tntnntccn	caaatttttt	nnttttnaaa	ccnctnancg	gctaaccagg	nccgnttttc	720
ggtgnccctn	tttattgttg	gccanntaaa	nccccntttt	aaaaaaattg	gccttnaaaa	780
aatcccttacc	atttttnnna	ancctaaaaa	nggattaaac	tttcaaancc	gtnaantaaa	840
tttnnggggg	ttcatntnnc	tttgaactcc	ccctgcntcc	cntanaattn	gaattgncac	900
attggtngna	nccaaantat	ggatntttca	agannaanac	tgggcttnca	aatgnccttt	960
ttcancnaat	nanntnatat	tgccattttg	nggccccccc	cnt		1003

<210> 1586

<211> 740

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (740)

<223> n = A,T,C or G

<400> 1586

actttcnaat	cgcacgagag	acantctcct	gcacacgncc	ctgtgggaaa	agccagcttc	60
tgtttgcaat	ggtcttnaca	actcgttacc	tggatctttt	tactnnnttt	atttcattgt	120
ataacacatc	tatgaagggt	atctaccttg	cctgtctcta	tgccacagtg	tacctgatct	180
acctgaaatt	taaggcaacc	tacgatggaa	atcatgatag	cttccgagtg	gagtttctgg	240
tggtccctgt	gggaggcctc	tcatttttag	ttaatcacga	tttctctcct	cttgagatcc	300
tctggacctt	ctccatctac	ctggagtccg	tggctatcct	tccgcagctg	tttatgatca	360
gcaagactgg	ggaggccgag	accatcacca	cccactacct	gttcttctctg	ggcctctatc	420
gtgctttgna	atcttggtcaa	ctggatctgg	cgcttctact	tttgaggggc	ttcttttgacc	480
tcatttgctt	ggtggtggcc	cggcgtagtc	canaccattc	tatactgnga	cttttttcta	540
cttgnacatt	acaaaaagta	cctcaaggga	aagaaagctc	aatttgccaa	ccataagtgc	600
ccaaaaccca	tcaccacatc	ctgttccttn	naggggtgctt	cggacagaat	tcttacacag	660
caaaaggcat	aaagangctt	ganccggaaa	ataanaaact	taactctttt	gttccnaaaa	720
gncatcaang	gctcctttan					740

<210> 1587

<211> 651

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (651)

<223> n = A,T,C or G

<400> 1587

ntgacattgt	gattgcaaaa	agcccaagtg	atccacantc	aaangtntga	ctgnganann	60
aactggnnat	gagncaatga	acttnttgaa	gacatcactc	ctctaataaa	tgtggatgaa	120
aatgtggcag	aattgggttg	tatactcaaa	gaacctcact	tccagtcact	gttggaggcc	180
catgatattg	tggcatacaa	gtgttatgat	tcacctccat	caagcccaga	aatgaataat	240
tcttctatca	ataatcagtt	attaccagta	gatgccattc	gtattcttgg	tattcacaaa	300
agagctgggg	aaccactggg	tgtgacattt	aggggtgaaa	ataatgatct	ggtaattgcc	360
cgaatctccc	atgggggaat	gatagatcga	caaggtctac	ttcatgtggg	agatataatt	420
aaagaagtca	atggccatga	ggttggaat	aatccaaagg	aattacaaga	attactgaaa	480
aatattagt	gaagtgtcac	cctaaaaatc	ttaccaagtt	atagagatac	cattactcct	540
caacagggtat	ttgtgaagt	tcatttttga	ttataatcca	tcaatgacaa	cctaatacct	600

tgcaaagaag caggattgaa gtttccaagg agagattctt cagaatgtaa a 651

<210> 1588
 <211> 820
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(820)
 <223> n = A,T,C or G

<400> 1588
 ccaaaactaga agctgtcagt gacaataact tggattagat caatgaaatt cttgaagaca 60
 tcactcctct aataaatgtg gatgaaaatg tggcagaatt ggttggtata ctcaaagaac 120
 ctcaactcca gtcactgttg gaggcccatg atattgtggc atcaaagtgt tatgattcac 180
 ctccatcaag ccagaaatg aataattctt ctatcaataa tcagttatta ccagtagatg 240
 ccattcgat tcttggtatt cacaaaagag ctggggaacc actgggtgtg acatttaggg 300
 ttgaaaataa tgatctggta attgcccgaa tcctccatgg gggaatgata gatcgacaag 360
 gtctacttca tgtgggagat ataattaaag aagtcaatgg ccatgagggt ggaaataatc 420
 caaaggaatt acaagaatta ctgaaaaata ttagtggaag tgtcacccta aaaatcttac 480
 caagttatag agatccatta ctccctcacag gtatttgtga agtgcattt tgattatnat 540
 ccatacaatg gccacctaatt ccttgcaaag aagcaggatt gnagttttnc aaaaggagag 600
 atcttcanat tgtaaaatag agaagatncc aaatgggngg caggcttncc catgttaaaa 660
 aaagggangga aaccnctggt cttcnttnca agccaattnc tgggaanaaa aaaaaaangg 720
 cttttgttaa aanaaactgg ggacaattca agganccctt ttgggggact ntaagttgcc 780
 aaaaaaaaaa aaaaaaaaaa tcggnccttt taaactntng 820

<210> 1589
 <211> 690
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(690)
 <223> n = A,T,C or G

<400> 1589
 gtatcaatcg cngtaacctg ttcccttgat cntgagtttt agctcagata accagggtatt 60
 ttgaagacgt gattgtcctt ggccctgccc catcccttcc ctttaaagtt ttaaattttt 120
 ttcatgtctt ttctttggcc agaatttctc tatccctgc atgccttcct cggttaccat 180
 aaatctgcat tatcctagga aagatgaagc ccacagattg tacgatttca gactacttcc 240
 tgggcccctg tgtgatccga cagaggcctg gtcacaaagt tggacttccc tatgtgaaac 300
 cataaactaa cctgaggaag atactgaggg gagaggggct gtgtaacggt gactgcctct 360
 aggccagcct tctgccaggc agagaacagg aagctggcat gcagggtgtc tggcactggt 420
 aaaatgacac catgtttgta agtgcattgt cctggctttt ggtgggccgt gcaggagttc 480
 ctgcctgaat tatagtcttt ccatttcata tcttcatgtg gagccctcaa gctttaaaca 540
 aagtcttttt atctccggtt ttcaagggtg ggctccatt atctttgaga acctcataat 600
 gctgcttttc ctttaaattt ngttttacac ttgnccgctn ggtcagcaca agagctactt 660
 cacattttnt ggncccccac ntcgnttca 690

<210> 1590
 <211> 727
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(727)
 <223> n = A,T,C or G

<400> 1590
 acntttcaatc ggcacgaggc tngttctggn gaaagctcan taagtatgga tttttattcct 60
 caactagtag gataccaata ctggtattga aacttgggga aaataactgg agataaccagt 120
 gcagctatatt aaagctgtag caagggtctgc aatcttgctg agatttttaa gagaagtttt 180
 aaagttttcta atactgatgc ctcttttttg taaatacaag ttttataaat cctgccctgg 240
 gatcctgatt ccccatataat caagatttgt cagacttcac cttctataat tagaaaacac 300
 agttataaga acagtcaatt ttttaaattt tccaaattaa aaaattgcac catgattttg 360
 aacaagcact tccaattaca ttaccatct tgtatgccat aggtgggagt ataattgtca 420
 cagccttttag gaattgtatt ttccgggatt tattgaaact ttgaaccttt tggcctacta 480
 agttcattcc taggaaactg cctaattggga atgatctgac aagtgtacac aagcaaagtc 540
 attgcacett tggctcttta tacttaaaac taacccaaat gcccttgacg taagggaactg 600
 gtttaataaa tgggtancctt tatgcccaatt tgttctaaag tattcgttta agagangtgg 660
 aggaatctct tggattatta gggcaagaat tctaacttng gtaaaaaaaaa agtgggtgcaa 720
 gcatttt 727

<210> 1591
 <211> 460
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(460)
 <223> n = A,T,C or G

<400> 1591
 ttcnaccagc tcttgttctt tttgcaggat cctctgatcc gaattcggca cgaggcttgt 60
 tctggggaaa gctcatataa gtatggattt tttcctcaa ctagtaggat accaatactg 120
 gtattgaaac ttggggaaaa taactggaga taccagtgc gctatttaa gctgtagcaa 180
 gggctgcaat ctgctggaga ttttaagag aagtttttaa gtttctaata ctgatgctc 240
 ttttgggtaa atacaagttt tataaatcct gccctgggat cctgattccc cattaatcaa 300
 gatttgtcag acttcacett ctataattag aaaacacagt tataagaaca gtcaattttt 360
 taaattttcc aaattaaaaa attgcacat gattttgaac aagcacttcc aattacatta 420
 cccatcttgt atgcatagtg tgggagtata attgtcacag 460

<210> 1592
 <211> 516
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(516)
 <223> n = A,T,C or G

<400> 1592
 ttcatttann ctnttttttt gcaggatccc tcgattcgga agagcttctg caggggctga 60
 gcagacccca gggcctctta gccaatcccc gggcctgggt aagcaggcga ancatatgg 120
 cggaggccng caactacctg nacttgccgn caagagtggg caatcttttn tgtctctcgg 180
 gaangnccca annctcctcc cccaanttga nanaaaaagn aagttntggg naaccancn 240
 taagccataa gttcccttgg gggccctggg ganaaagnct tcaatcacng ggccaagggc 300

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ttctggnecc cattnattgn cttggacaag aactctgggt cacaagtctt gctnggtctt 360
gctggggaan cccnaccnga cattgggccn cagacttgct ggtcttnttg ggaagaaggg 420
caagacccca aaccaagatc caaaatacac ttncagctct taaccaaggc ttnccttcaa 480
gtcacaagtt gttgccngaa atcagtaaca agaagt 516

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<210> 1593
<211> 1207
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(1207)
<223> n = A,T,C or G

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<400> 1593
agattntcga atcgcacgac ttgnccctgt ggggtcttac ncgatgtgtc tctgagtagt 60
aaaggcttag ccttgttcct gttatgttgc aagaaggagg ggaagggttcn gngatttctt 120
ctgatttatt ctngngntcc atgtganccg gccntcacgt gnancnncn gcacngnacg 180
ctcctnnecn atccacatac nccagntana cntnctnnnn anccaccacn cccanctgcn 240
antccanntc ncccaacgcn cangcntnag cctntanncc ccccaccctc ncnagnnctt 300
actacacenc cattnnancc nccccnaa atcacccctt ttcctaccat cgtcnnaa 360
cnncccatct acantcnncn annaccgnnt nnnccnccag tnatcanttc actcntacce 420
ncacgctcnc anngnncnaa ctctnccctg ccaatcatgt tctanngcen nncnncnctc 480
ntanccctact catctatta aacttntctc tttncnctnt genacatnan actcctcttn 540
ngnctnnctc atnatccgcn ctacactcaa cattctgnen nnatnctatn ngnaccntaa 600
aatacctnca cataatcntg acgcacatcn ntcnctacna atcnattgtc atnntnatct 660
ccnctctnt accatantct ctntaaccag tnatntctca ttctcaaact tgcceatnnc 720
ccacnantnt ctcttacgca cacnntccta anccctatnc ataccattna atnncctgcc 780
ttgctatgan anncnncgan cacntacaca nntgtanncn aactanatac aantatcgt 840
ccctctcact aacnctnnn cntaatanaa cataagccnn nctancgnnt cntnntnaca 900
accacatnta ctcttacgca ctgnntctc tcttngggnn tcctctttcg caacgnctca 960
nnantccaca cgntccttac gccatcatc ctnnccctac agtatgtaat cccntanatt 1020
nntncanata ttcacncca ngcccgctac tgataccttc nctgctacca tcnctcccc 1080
tatantnctg tctcgnacca atctacgtnt acacngttnc ananccaata ancnacctca 1140
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taanccc 1207

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<210> 1594
<211> 466
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(466)
<223> n = A,T,C or G

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<400> 1594
tntacgttca agctcttgct ctttttgtag gateccatcg attcgatgag cttattaggt 60
attttatctt tcaaaaatat atgtncccaa ctggtgttgt ttgtttcctg actgtgaaca 120
ctgaagagga ctgatcaaaa aatgaccaat tgagtagcaa ttgaacattt acagtgtgt 180
gtgcagtga cttctgtagc acccaaattg tggggttggg gaaaaaccat tccaccttaa 240
aagaaaacca agcctttctg gcaaaattgc tgattctagg ttttgccaa gaaatgtaca 300
tgctgactgg aacattgcat aacagttagt aaggaggctg ttaaagacta tttagggtca 360
tttcagaaaag actggagaaa tgactgtaga attcccactg gccagagat cnggtagaaa 420

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cctgtgaagt gtgttttaaat tcttgagttc ataatgggta ttttaa

466

<210> 1595
 <211> 723
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(723)
 <223> n = A,T,C or G

<400> 1595
 aggtttttcga ttgcacgat atntntcaca tgtaanaaan atatgtaccc aactgtgttt 60
 gnttgtttcc tgactgngaa cactgaagag gactagatca aaaatgacca attgagtagc 120
 aattgaacat ttacagtgtc gtgtgcagtg aacttctgta gcacccaaat tgtgtgtgtg 180
 ggaaaaacca ttccacctta aaagaaacca agcctttctg gcaaaattgc tgattctagg 240
 ttttgggcaa gaaatgtaca tgctgagctg gaacattgtc ataacagtta gtaaggaggc 300
 tgtaaagac tatttagggt catctcagaa agactggaga aatgactgta gaattccac 360
 tggccagaga tcggtagaaa cctgtgaagt gtgttttaaat tcttgagttc ataatgggtat 420
 tttaaaaagg aattgggttac tcttagatta gagcatgata ggaacaaatt tattaccttg 480
 aacatttgta aatacaagaa agaacaattt atcctgcttt tcctatgtga gtgtacctct 540
 ggctaacaaa atagtagata tgggagagct atttcaattg ataaatgaaa aaagaaatgg 600
 cagaattgca ataccacat tttataactt ttggtgaacg aatgggtcta ngtggtgagc 660
 gtcgatngct actacatccc cnnnnaaaaa annnntnnn nnnntnnn anangaannn 720
 nct 723

<210> 1596
 <211> 464
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(464)
 <223> n = A,T,C or G

<400> 1596
 cttntttaga tacagctact tgttcttttt gcaggatccc atcgattcga attcggcacg 60
 aggattcatc ttctgttct ttaaaagtca aaaggctttt tgacctttaa ataactctta 120
 catctggtca tcaactgtga aatgttctac taaattttca gaggggaaaa gttttaggct 180
 taaaactgac tggtaaaaat agaataattc tttgtattga tttttcagta tagctgtaca 240
 gccagttatc cttcgtaag tgtttcggtta ttaaaactgc tcacatttgt aaatattgag 300
 cagctttatt gtcagaacaa gaatcccttg gtttcccaat cccaacttt taacattgta 360
 attaaacatc ctgtataacc tattttattc tctgccaac aattttatga ctgctgtttt 420
 tactctttgt gatgaaaatg ggatggagaa gataagggtc tttg 464

<210> 1597
 <211> 709
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(709)
 <223> n = A,T,C or G

<400> 1597

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atgtngacca nttcngcacg aggattaatc ntcttgttct ttaaaagtca aaaggctttt      60
tgacctttaa ataactctta catctgggtca tcaactgttga aatgttctac taaattttca      120
gagtggaaaa gtttttaggt taaaactgac tggtaaaaat agaataattc tttgtattga      180
tttttcagta tagctgtaca gccagttatc cttcgtaaag tgtttcggtg ttaaaactgc      240
tcacatttgt aaatattgag cagctttatt gtcagaacaa gaatcccttg gtttcccaat      300
ccccaacttt taacattgta attaaacatc ctgtataacc tattttattc tctgccaaac      360
aattttatga ctgctgtttt tactctttgt gatgaaaatg ggatggagaa gataagggtc      420
tttgccctat ggtggtattt attatcatcc tccatcaatg cagattgggt aaatagagaa      480
aaattcangc cgggtgtggt tgtgcacatc tgtagtccca gctgcttggg angctgangc      540
angagaatcg cttgaaccca ggagtcagaa gttgcagtga gctganattg cccactgcac      600
tccagctgag cacanggtga aactctgctc aaaaaaaaaa aaaaaccctt naaactatgg      660
ggngcntttc cgaaacccnaa ctganaaaaa ctttgtgagt tgccnccct      709

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<210> 1598

<211> 1372

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1372)

<223> n = A,T,C or G

<400> 1598

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nacntantan nttnatantn nttctntnat ntccnntnctn tncntctent tgnntnnggt      60
nnntnntntt ntctcngttt nccccccccc nnntncccc tttntntttt ttcttttggn      120
nccgtagacc gngtgaaatg attngctgng ccncccggtg tgttattttt ntatatgnnt      180
nconatncatn antttttcta tngngcnncn cttttctacc ntntnggggg tgttttttan      240
ctccattann nattctattn tnnnacttct tgattantat nangtctttt tcttttnncc      300
catcntntnt cttnnnccact gtnnancntn tnnccctnnn ttnttatctt nnntttentn      360
ttacntaaat tctctcnntc nttattntn tcttcacatn tntngenttc cattntttt      420
ttttntccct tncnnnctnn nttcttttta ctcttncctn ctntctentn ccctnctnca      480
nntcattttt tcttanctat acgctgtatt aagnnnncta ctncgtntcn natatnttn      540
tactatcnnn ntnccttttg nttnnagtnta ntccctnnng tatttctent nnngtctatn      600
tgctntatta tttntntctt gtntntcttc tactcnenat atcatnnacn atacntatat      660
atatatacan ctgttttcta tntntancta cataatgttc ntttantctt nttnttctn      720
ctagtatggt ncttnattat ctantctntn ttatntatn ctatcttctn atnattntnt      780
catacctnta ttcgtatata nagnaactn acatgntang tgccnttnc natctcannn      840
nttantcttt ncattcttnn gttatctgnc gtntntcnctn tnacntgata ntcatatnnc      900
cntnancnta tatgatgaat cagntgtctt ttntcaagct nnnntctctc tttccttctn      960
tnnataaaact tntgactcng tagtttactt gatcttttctn atntctnaac atcaactccat      1020
tcncttnnct cnnnnaacnc tctnttctnt actattcttn tctactctct tntctnttt      1080
gttanttaac cctccgatnc tnttanttct cacnntnctn attttctaata gtantntntg      1140
gtatatttct gntatctcta canccgatcn nantacgtt cgtatagtat nctaatannt      1200
gatntnatct antgtntttt taccctnct tcntantnct ntttacatna ctctntttnt      1260
ctgttttctt tatctnctat ngtnaanntt cctatgngta tnatnngtt nctctctann      1320
attcatctt ctatctntan ntctcattgt atgttctttt ngcttcttctn cn      1372

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<210> 1599

<211> 464

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(464)
 <223> n = A,T,C or G

<400> 1599
 tngatncctt cgatcagctc ttgttctttt tgcaggatcc ctcgatncgg cctatcttag 60
 agaatcatct gctcanncct tattcctgca gaatacaaat gtcacattct aacctgttca 120
 gagattgtct tcaanataaa antgtgattc ctacatggna tgnnaaacia nctacactnn 180
 tnggcaaaaag gcattattag ggntngattc cataatgatt gagtncnttt nnnnagtata 240
 ntcattgcanc tgaacaaaat gaagctcatt ccactgcntn gaanaatnnc acaaatgtga 300
 tgctnaanan aggaagccac gtgcanaacac tnactatata attntatgta catnaagttc 360
 agnatccgga tagttaccnn tgnnaaggan gtaactnnan gagtntgagg aggggnttct 420
 ggtatctggt taatgnactt ngtaccantt acccaanagt gnnt 464

<210> 1600
 <211> 922
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(922)
 <223> n = A,T,C or G

<400> 1600
 nnnnntaen cntnnnnnnn nnnnnnnnnn nnnntntnnn nnnntntnnn ntntntnnnn 60
 nnnntgnntn tnnnnnnnatn ggtnnnnant tntntntnnn nttacntnn nnnnnnnntn 120
 cccccacgn nnnnnnnccc ccntcnnntn tntntntnnn ttnaatntcg antccgcacg 180
 gaggatatac tacttatggn acantgaggg tgcaanggnn tcctannatt catgnggatg 240
 ntccnnggtg tgaggaggga atctgcaatt gnttgctnna cagagcgctg gcaacttctg 300
 acaggctgtt tctggggtat gggctgcctc gggttgttgc tgttacaagg aaagaaaaga 360
 gtccccctgc ccaccgcctc ccagccactg ggctacctcc tggcaggaaa tttgcaaact 420
 gagtttaaca agttaggatc agcagagggg agaggagggc cctggcagat gtggggtcta 480
 gaagaggaca ggagttatca gggcctccgg ccattgtgct gggcctttgc ctgtacaatt 540
 gtttctcaag cagtgtgtc cctgtggctt tgggtgcctt gtgtgcactt tctccctcca 600
 ccttgagaca tgggctaaca cccggaggaa aaggaaaaga cagagtcaag acaggggaca 660
 atgaaacctt tgaagtgcctt atctatgaa agaggccgg ggggtggact aagaatccan 720
 tgccgcncct aagagtttga ccaaccaccc ccctacagca actnttgngg atccccccat 780
 cacctgaggg aggaaccaac ctaccattc caaaggggg ccaagggata agcccaaacc 840
 tggggaacan aagcgaang gcctccaaag gggggtccat tnggccccag gaagggaanc 900
 ccttgggaaa aaactcccan nt 922

<210> 1601
 <211> 864
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(864)
 <223> n = A,T,C or G

<400> 1601
 ttgaattcca tacaagctac ttgttctttt tgcaggatcc ctcgattcga attcggcacg 60
 aggagggagg atccccctggg ttgtgcatat ggcgggaagg ggtattccag gagtggagga 120
 tgtcagcagg gtgggaatgg gatcagttag gggaggagga gcagaggagt cagaaggatc 180
 taagggtagg gctgaagggt ggaaaacacc tgtagggtctg tttaggacac ggaaagggcc 240

ttgactttgc	tgccaacnaa	gatgtgaagc	tccaggcaag	ggtaacaatc	taacttacat	300
tttatgaggg	tctctgtggca	gctgtgggtga	gaacagactt	taaggggtgct	gaggtggatc	360
acggagacct	gtggccaggc	tcttgtgtgg	taaatctggt	ttgggagaat	ggtggagaac	420
tggatgcang	taggancact	ggaagtggca	agaaatgact	ggattcttga	atattttgtt	480
caaaagtgg	anccgaaccc	cggttttgtt	tgatggacct	tgaattgttg	gggtgttgat	540
taagaaaaga	agaaggangt	tcaaaggacc	aattttcttg	naaggnatct	ttaanntccn	600
ggaagccaan	ccttggnaaa	accaaggaaa	ggncttgcct	tgtnnaaat	tggnaaaaaa	660
tngggaaatt	gggaaaaccc	ttggggtttt	tttggggtn	gggggggnat	tttttcaaac	720
ccccatttgg	ggatttnccc	catttccant	tttttggang	ggnnngtttt	ttcnatttca	780
aanccaattt	ccccttaaan	tgggggtngg	naattaattt	ggggaacctt	ggggggcccc	840
aaatttttng	ggaacctttt	tacc				864

<210> 1602

<211> 619

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(619)

<223> n = A,T,C or G

<400> 1602

ttgattcnat	acaactactt	gttctttttg	caggatccct	cgattcgaat	tcggcacgag	60
aagagacagc	ctctctcttc	tgtctcagaa	gctctgtgtt	tgggaaactt	tgagcccatg	120
gagtagcagg	gtctgcatgg	tggagtacca	ggtttccctg	gcaatccagg	tctcctntga	180
ggaagcattc	tgacttccca	ctgaccacgg	aaggcatgtc	agcttctntg	ctcggntag	240
agttctgata	atcggggctg	aggggtgaaa	agaaatccag	tcagacagac	agtgggggag	300
acaggtcctt	gccctttatt	tgcggggatc	aatcagggac	tcccaanaag	gaagggaat	360
ggtgagaagg	ccctaagagt	tgtctctca	cctggggctg	tgacgtggca	ccacaactga	420
aacagctatg	ggtggcgggtg	tgtgttaacc	tcacgtntctg	aactgacatt	gncaaagagg	480
aggagtntac	attcagatgg	caggcgttca	ggaacaacac	attattaatg	gctagcagtg	540
acatatgaga	aacagatctt	atatctccag	gtagcaccca	nctgttgtn	tcatatcttg	600
agaganaatg	gatannact					619

<210> 1603

<211> 721

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(721)

<223> n = A,T,C or G

<400> 1603

ttgaanncca	tacaactact	tgtctttttg	caggatcttn	tagacctttg	tgaaccagat	60
gatgaaagt	gctatgatgt	tttagccaac	ccccaggac	cagaaagacc	aggatgntga	120
tgacgatgcc	tntagcggat	gtgtttgaat	ttganttttc	agagaccccc	ctnttaccgt	180
gttataacat	ccaagtntct	gtggctcagg	ggccacgaaa	ctggctactg	ctttcggatg	240
tccttaagaa	attgaaaatg	tcctcccga	tatttctctg	caattttcca	aacgtggaaa	300
ttgtcaccat	tgacagaggca	gaattttatc	ggcaggtttc	tgcaagtctc	ttgttctctt	360
gctccaaaga	cctgggaagc	cttcaaccct	gaaagtaagg	agctgttaga	tctggtggaa	420
ttcacgaacg	aaaattcaga	ctctgctggg	ctcctctgta	gaagtgggct	tccaccccag	480
tgatctggcc	tcagacaact	actggtgagc	aagctggccc	accatgtaca	gtgtggtata	540
gtgggttaac	cttgtgcata	tgtgcataat	acaactattc	tgnaagaaa	ggcactntac	600

atatgaaaat atttntnttt tatataagaa aaattactcc agtcagaaaag gacttaaaaa 660
 catgtttttt tccttttttaa actttttaag tcaagttttt atgaaaagtgg gttttaatng 720
 t 721

<210> 1604
 <211> 738
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(738)
 <223> n = A,T,C or G

<400> 1604
 ttngatacag ctcttgtctt ttgcaggatc ttatcgattc gaattcggca cgagccctat 60
 cttatgagaa aagtaacttt gaaaggacta atacatcctg ttcttagctt ntgcttcctt 120
 caggccttct ctatgaagcc agcctattct gctcagcgtt ttggaacact gattctatct 180
 catggaccga agcattgccc aattgtagaa ttgcaataaa gccaaactgag atctttaaat 240
 tggctataat tcatcctttg gcaatacagt aaaaaaaaaa aattctcaca attctgtaga 300
 agggatatgag atatacaata aaagacaccc ccaccctctg caatctacca ctcacagtag 360
 tttatctggt ggtttccact ttttaacaat ggtctgggcc aggtgcagtg actcactccc 420
 gtaatcctag cactttggaa ggtcgaggcg ggcagggttg ctgagctcag gagttcaaga 480
 ccaacctggg caacacagtg aaacccctgt ctctactaaa atacagaaga aaattagccg 540
 ggtgtggcgg catgcgcctg gtagtcccaa cttactcgtt tggctgaggg aagganaaat 600
 tgcttggaac ccatgaaggc aaaaggntgg cagtggagcc cgagaatcat tgccggnctg 660
 cacttccaac cctgggggtg gacaagaaac cgaagaactt ttgtctttta aaaaaaat 720
 aaattaaaaa aaaaaaaa 738

<210> 1605
 <211> 715
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(715)
 <223> n = A,T,C or G

<400> 1605
 naattccata canctacttg ttctttttgc aggatcccat cgattcgaat tcggcacgag 60
 agaaggtcgc ctctaccttg cccagaacac aaaggtgctg cagatgctgg aggggaaggct 120
 gaaggaggag gacaaggntt tcatcaccag gganaatggt nttggggccc tgcanaagtt 180
 cagtctcagg cgcccgtg agacagcgat gattcaagac ggcctcatct tctggctggt 240
 tgatgttctg aaggaccctg actgcctgtc tgactacacg ctggagtact cgggtgcttt 300
 gctcatgaac ctctgcctcc gcagcacagg gaagaacatg tgtgccaagg tgggcaggcc 360
 tcgtgctcaa agtcctttcg gatcttcttg gccatgaaaa ccatgagata cagcccgtat 420
 tgtgaatgga gctcttgtag agcatccttt ctgttccatc ctttctggag gaagcaagan 480
 caatgggaat ggaagacatc ctacctgctt catcaaanan gcaatgctga aatgaccgcc 540
 agatagaatt catcatcaag cagcttaaatt tccgaagagc taccagatgg tgttctttga 600
 atcttgntga tgatgaagat gaagatgntg aagaggacca tgacntcntg gaagccgatc 660
 ttggcaaaaa ccaactgatn ccacccactc tggaaaaactc tcaggaaana agctt 715

<210> 1606
 <211> 682
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(682)

<223> n = A,T,C or G

<400> 1606

tnnattcnat	caacctactt	gttctttttt	caggatccca	tcgattcgaa	ttcggcacga	60
gggtgggtgg	cagagggaaa	tccaacatgc	agactgtggc	agtgtcttga	acttctgttt	120
attcaggtca	ttgantaaaa	aactcttttc	ttctgcattc	ctgtctttct	gcattgtgtgt	180
gtgtgtgtgg	gctgggtagg	gactgttttt	gagatcactg	gctgaaatgt	attctagggg	240
tgaaggatct	aggatgtacc	tgctcgatcat	ttcctgactt	cacctttacc	aattcttttc	300
ttaacaaatt	taaaattggg	cagagcagga	gctgctagct	ggcttttaac	agtgtttctc	360
ataatggcag	tactcagcaa	atagtttttc	tcttgctctc	taaaattaag	ttgcaagact	420
aatgtaacaa	acagtaaaat	ttaagctaaa	gaactcagta	taggctgggt	gtgggtggtt	480
acgtctataa	ttccacactt	tgggagctg	agggtgaagg	attgcttgag	cccaggagtt	540
tgagaccacc	tgggcaacgt	aggagaccc	tgctctacaa	attaaaaccg	caacacacca	600
aaaacctcta	ctggcacgga	gtggtgcgcc	ctgtgtccct	actccaactc	tcanaggcag	660
nangacatcc	tgggcccaag	ag				682

<210> 1607

<211> 1356

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1356)

<223> n = A,T,C or G

<400> 1607

cncncgcga	annactntgn	tanatgtaag	aaataatgat	nctnngcntn	atancnannt	60
nnncaaaacn	attagntnnn	taatanagan	tncnnngggn	annatnagcn	aggcttgtaa	120
ccttggcaan	ccgtnggtca	gtccagnnag	tcacgnnnnn	cnnnngnnnn	ttactctatc	180
ncntatntnc	nctngnatnt	tttnacnngc	nggaanaatc	naccnctcn	nggtggngaa	240
ntagngggnn	aagtnnctgn	aacnataacc	atggngntga	gngcnagaaa	ancgaggaga	300
gatgnggaga	tgccggcacct	ntgtnnaaan	cctgcnnnnc	tgngannncc	nntggngnnt	360
cgggagnanc	nnactcctan	nnngangacn	ggnnnatnga	atngcttann	gnanaaaacn	420
ccgtgactaa	atgtgtcgtg	ggaaganng	gngtgcgnnt	aaaangnttg	atancgnttn	480
ngancatntg	gatttgagta	atangaaang	ancnncgggt	ngnattnnag	ngaangganc	540
gggcgnnanc	cnccancnc	gantgaagnn	cgncaannc	ncancnaact	ggnnntcnnt	600
anaantgntg	antgcctnta	nannntnagg	ggcggggaat	acnatectaa	atcgtggnan	660
catacactga	ggnaatntnn	annanaagaa	tnnctcnnac	atntnnatag	ananaagant	720
atntnnagtn	tctnnaaan	ncanaannc	cnttgtncaa	agngaaatgg	ncnngagngt	780
ccagcacaga	nataaacaca	tgacatccn	tgangcttgn	atcnaacacg	ngacgaaagc	840
agtngccgan	nanattntnn	tnagcangaa	gancnatatg	ctgtnnatct	cncttgnana	900
aanctgtant	tancataana	ccangcncgt	nngcancgan	gangcaatan	ccncantgnt	960
nagntaangc	tnccncattn	ggnggangaa	taaaatcnga	tgngganantg	aaannnangg	1020
ngctgcncct	attacgcnaa	tcatatctaa	atatannana	ccatncttgt	nagangntat	1080
acnctnatan	tntctntcag	atgngnacgc	ttgnatgtcn	tctatcntnn	ctattcatat	1140
ctgacacgtn	cgncacgatg	tnnattgnta	acgcacgtag	ngtgtncacn	tnnncnctcc	1200
cgngntnagn	gacagagacn	ggagannnca	tctctngtgc	gcgnatanna	gtaaagancc	1260
nnnctgtcan	ancgcgntat	cgatanttat	gngntncttc	atncnnntaa	caaaagcaac	1320
gctcntnttn	ttncggaana	aaaaaanacc	nnncng			1356

<210> 1608
 <211> 1588
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1588)
 <223> n = A,T,C or G

<400> 1608

ccnncnnan	ccnntnnan	cnngncgnta	tatggcnnnn	anncttggtg	tttctccang	60
ttgancngtn	tnnatngtcn	nancncnaat	ttgnnnngnt	tacnanteccg	cantgtccnn	120
tnctnattaa	ancngtaaag	aaantncngc	ccnctgttnn	gatngtatcg	gcagttattgt	180
nantgcgnaa	tnnnacnnac	annnantata	tctggggggg	cnctnnnnnc	ntnangncnc	240
atggncnana	tgcgtcnnta	ntgtgngntn	gccccgtntg	nntctcatgn	nnctnnnnna	300
atnccnnac	cnctcganc	nnnataacnn	tnnnctcng	ncntaganta	cnngaaagcg	360
ctctatcnac	atccntaggc	tanagtcanc	ccnccnnntt	ctntntnat	ngaantntcn	420
ncntntnnt	tanaaacgat	nctncanata	ngacnctccn	ctngnntaaa	tgantattnn	480
cntcgcaann	atccaccata	tnacgtngct	caanagnngt	tncttnatac	tacannnacc	540
nnattgncgg	tnnnnacntc	acacgctgaa	agtngggacn	nacacgntct	anctntgnga	600
gtantntaca	ccntaanatg	tgatctntca	acncgcatct	gtacatcgcg	ncgannanca	660
cnanngatc	ncatnaatnc	gtnacanctt	anantcnana	tnatnnntcg	cncacaggnt	720
cnancctgga	tttnatnagn	nnatgtntat	nntcactann	atntggcncc	nnngangggc	780
cgacnancnt	ngantangag	ngntatctgt	ggannccatan	atcntngcca	cnaggtagcg	840
nnccacntna	ccgcgcngat	naagangagt	tnnacnatta	cattanagtg	ngtacgcttt	900
ncatanaact	ntaannatcn	agtataacna	gancgnataa	tctntttgat	nnntctacn	960
cnegcatgca	actcnnctn	ntatacncnc	tgcgntcnac	ntcngantg	canancngna	1020
tgtnnnnatc	nnanacagac	atgtatctac	gnaggnatnt	ttatntntga	ctattcnntn	1080
tancgnncga	ctgtgtnttt	anntnngcaa	ttgtgcnat	tgancgtaaa	atatntacga	1140
ctcggttcg	tatacnncga	ctcggtcnnc	gcatttacta	ngcantttcc	nctcgctaaa	1200
natccnngcc	tnnangagt	tacntegtct	cgagtcgcn	cnntacnecn	actgtgngng	1260
antnanant	nctntntatn	cgncgcgnat	cgcgcnegca	tatgaccnna	nntctcgcaa	1320
gtatcttcca	tagcacntaa	ancntgnntc	tnnacnata	antnnctnta	cttctcantt	1380
ttatacaatn	nantcgntnc	tannctnncg	catntacgaa	cngcgcnnc	atgantntac	1440
anncgctgnc	gtncngcgnt	annccanant	gtccgctnac	tcacantang	tnccanngett	1500
agtcnngacn	cacgtgntaa	tgntcgatcg	nagcctggcg	acatagncat	tnctgtgatna	1560
nnntnncttc	ntcncgacgc	nctnnncc				1588

<210> 1609
 <211> 736
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(736)
 <223> n = A,T,C or G

<400> 1609

ttcgatacaa	ctcttgttct	ttttgcagga	tcctctgatt	cgaattcggc	acgagtgtatt	60
gatgagggct	gtcggccagg	aactgatcga	gcttgtaaat	tgcatattgtc	aaatgcaggg	120
aaattgggaa	ttagtgaat	cggagaagg	ggtttgga	acaaatgact	cgtgcctaag	180
gaaatttttt	gcaggaaagt	atctcaggag	ccccgcagt	caggagctg	ctggtgtgga	240
ctcagactac	atggttgaaa	taggcaggag	ctgggcggg	cacagtggct	caggcttgta	300
atcccagcac	cacactttgg	gagacggagg	caggcagatc	acttgatgcc	aggagtgtga	360

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gaccagtctg gccaacatgg tgaaacctgt ctctactaaa aatacgaaaa attagctggg      420
tgtggtggca ggcacctgtn atnccagcta cttgggaggc tgaagcanaa gttgcagtga      480
gcccagatg  gtgccatttg cactccancc tngcaacaa aaagcnaaac ttncatctaa      540
aanaaaaaa  gaaagaaaga aatttngcng ggacccaag cttacattct ttcctttttg      600
gtaaaactgg ttggggaaat gggttnnctt tccgtgaaga anccancaag gtagggtcna      660
tcttttcttc ccccttnag  gacatttggt tttgcngaa tctttaaaaa naaaaaatan      720
aacnactnc  ttnnct

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<210> 1610

<211> 710

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(710)

<223> n = A,T,C or G

<400> 1610

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canatacagc tcttgttctt tttgcaggat cccatcgatt cgaattcggc acgaggggga      60
gtaacagaag cctggataca attactctat caggagatga aaggggactt tggggagact      120
ggaatgntga aattgtttta taattcttca gtagaacaga tctgggatca cagttttaca      180
ggggcagaga tttaagtttg ccctctagtt atggagacac tcctactggg ttctataaaa      240
ggaatactta cattgcccaa accagtgcac ttcaaatctt cagcccaagg aangttccaa      300
cgctattgaa tttatggaaa cgtttgtatt tgctattaaa cttcaaaatc tacaaactgt      360
aagacttgta tttaagattc aaacccagac tcccaggaag aaaaccattg gagaatgctc      420
aatgtcactc agaaccctta cacacaggaa atggattact ctttggatat aacaccacct      480
tcaaaaattt ctgtttgcca tgccagaact tgaattgggg acttgttttc aagcagtaaa      540
tagcagaatt cagttacaaa ttcttgagg caccgnacct ttccaagctc atcaacacct      600
ntgaactttg agttttttcg tgaangngg ggaatgttta acctcnggag aagttgattt      660
atnaaaaaaa agacacgctt acttgaangg cctccatggg aanantcaaa      710

```

<210> 1611

<211> 714

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(714)

<223> n = A,T,C or G

<400> 1611

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tnnaatntca natanacnta cttgttcttt ttgcaggatc ccatcgattc gaattcggca      60
cgagaatgga tgctcatata ttgcttatgg atatttttga taccaaagta ggaataactg      120
gacattcagt attttaaagc tggcaaacct gtacatagaa aatagatccc cagacagtgg      180
tctatgaaga gggcagttta gtatcaaatc ttaattttct tgcctttttt tcttaagtgg      240
ggaaaagtgc tagatctctt acacctctga cacaatctgt tctaaaacag gcacttgtaa      300
tgttggggcc tccttgtaaa cgtgtttttg ccctttactc tctgggatta caggcgtgag      360
ccagtgcacc cggcggaatc ttggaatttt tatagacagc acctcagttt ctgactccag      420
ccgcacacct tctgcctcta ccagcanggg ttgcccagag accagaccag ggccaggtcc      480
ctgcgtccat ccccccggtg ggatggacgt gagccatcct tctaggggac ttttttcaat      540
gtcgaacte  gtctcttggt aggtggtang aaccagtttg tntggnctgt gccacgcctc      600
cacaatgccg tggctgggct tcttgtgtgg tggmctgtgg tcccctgtgc cctgcangaa      660
nccaacaagg catctgtggc gtggacaact tgtgttccaa anccactggc ccgg      714

```


<210> 1612
 <211> 698
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(698)
 <223> n = A,T,C or G

<400> 1612
 tncanantta nctcttggtc tttttgcagg atcccatcga ttctgaattcg gcacgaggta 60
 tgccccctca gaacatgcag agtgatatctt tttttaaatt tctccttcg tttcttaagt 120
 attgctgcaga tttgttcaac tttgtaaata tggacatcac tttttttttc tttgagaaaa 180
 cacttgatc agctttgtgg tgttttcagg gagacagctg tctgcattcc ctgtagaaac 240
 ccagcaatga ttatgcacgt tgagacatgt gctttttatt tcttagcaag atattttatc 300
 tctgtacata aagtagaaac caaaagctag ggaaacagat actctttaca ccacatgcc 360
 acgcattgtt tttaaagcat tgcgttaaaa aaaaattaac taaaccaaga tgctgtgatt 420
 ttttaagttg caatatgttt ttggtttttt tcatttttta atcattgcag ttaagagaaa 480
 tggaaaattaa gttgtgttaa atcttgcaga atgtttgcag gactgactat caaactggat 540
 gatttccatt tatccctact gngtcagggt caagcatcaa aaatcccttg cntctgagac 600
 agacttncta ncatcaggga cagggatctg gtgtgtcatt atacaaaaca gtctaggggg 660
 tggaactncn tagtaaaaaa ataaaataaa tggncctt 698

<210> 1613
 <211> 698
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(698)
 <223> n = A,T,C or G

<400> 1613
 ttnnanttca natttgactn cttgttcttt ttgcaggatc ccatcgattc gaattcggac 60
 gagaacaaca aaaatctgaa cagaaatgct ctatttacgt tcttttcctt atctgtagt 120
 ttttaaagtc attaaactta aaaatgatgt tcaggagaag atgagtgtat ttgcatagtc 180
 tgtcataact ctggtattat tttgtacaag gagtgtgtta gggttttcag ttgtaaccat 240
 gcagaaaatc tacaaaataa aagcagttgt taattagtcc tttacaatca gaattgtcta 300
 ttttggaat ttatgaagta cttcagatgt aatttaagaa attgtatttg agccaagcgt 360
 ggtggctcac acctgttacc ccagcacttt aggagcctga ggcaggtgga tcacaaggtc 420
 aagagttcga gaccagcctg accaacatgg tgaaacccca tctcaactaa aaatacaaaa 480
 cttaactggg ccgtgggtgg gcgcgcctgt aatcccacta ctcaggaggc tgagtcagga 540
 gaattacttg aatctaggag gtggagggtg cagtgaagcc agatcacgcc ctgcacttca 600
 cctggaaang angggaaagg gaaaggaaan gggaaaagga aanggaaang ggatggtttt 660
 caggctgggc acggnntta gcctgtaat cccacact 698

<210> 1614
 <211> 701
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(701)

<223> n = A,T,C or G

<400> 1614

ttcntatcag	ctcttggtct	ttttgcagga	tcccatcgat	tcgaattcgg	cacgaggcaa	60
cgaaataatt	ttaaagtggg	tctgggttgg	tagtgcttat	gggagttagg	caaggaaaaa	120
tgagattct	ctttagaata	tcttcaccta	ggccccaaag	gattctcata	gatagatttc	180
caacaaatat	gaggttataa	taaaaaatac	aatcacata	tagaagtatg	gcaccatgaa	240
tgagaaagga	aaaactgtca	gaacaagacc	ctcaagactt	tactggaatt	aacaagcaat	300
atgtaaagta	aatagaaata	agctattcat	aataagaata	atgtataaga	gactactaaa	360
aataactggg	cagatttgaa	aataatctaa	gttctgggaa	tgaaaaataat	aactgaaaaa	420
cagctganag	agagaattaa	tgaactaaaa	gaaagtgtgt	tagagattat	ccagaaatta	480
ggacaaatca	tcataaagaa	aatatgggta	gaaaaggtta	agatggaagg	ataaggcaag	540
tgcttanca	atgtccagaa	ggaaataata	gaaaaaaatg	tnttaattcc	tcncactgg	600
taaaagacat	gatggctcag	attcagggaa	ttgtacccat	ctcaaaaaaa	aaaaaaagga	660
angaaaagtg	gccaggggaa	atccttatta	aaatccttgt	g		701

<210> 1615

<211> 791

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(791)

<223> n = A,T,C or G

<400> 1615

ttnanttcan	attnantctt	tggtcttttt	gcaggatccc	atcgattcga	attcggcacg	60
agatccctac	ctagaagaga	atagatggga	agagaactga	aagaaagaat	tcctcaagca	120
ctgaagtcag	gaaaatcccc	gtaggcactg	tattagtgtg	tccattttatc	ccagcactcc	180
acttgtggat	gaaggagtgt	tatagaaagg	agatgagaaa	atggcaggag	tggaagcagc	240
caagaagaga	tcgatgactg	aagatctcct	tcaccttcag	gactgtctca	aggggttatt	300
tcacctctac	tcatgaggat	ggccagtttt	tctgtctttt	atcttttagac	ccatatataa	360
tcagttcaga	gcacaaatca	aaataaaactg	gcctaaataa	ctgaatctag	gaacaaagct	420
acatcttttt	tcatatgcc	aagctctgtt	tcctcatggt	gttcctactt	ttttaataa	480
taaatgggct	tctcaacat	cttaaggaac	taagtgggg	tccccatctn	gggtagnaac	540
ccggctnta	antttttaag	aaatcactct	tggtaaattc	tttancctca	ctttaaaaaat	600
anttanggaa	aaccnccggt	tnanttngga	aaaaaggaac	cgggggnaga	aaaccttcgtt	660
cntggccagg	gntttttngg	ccaagtggaa	aaantttggg	tenttttccc	aggnggnaaa	720
ttggcctant	taantttttc	caaaaatttg	gcccttatta	ggtccaaaaa	aaagcctttt	780
ttccccnttt	g					791

<210> 1616

<211> 741

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(741)

<223> n = A,T,C or G

<400> 1616

ancccnttga	aattcacata	caagctactt	gttctttttg	caggatccca	tcgattcga	60
ttcggcacga	ggtaatectt	tctttttctt	ctccctcttt	cctgctctta	cttatacagt	120
taggtgaata	tgatgctcca	cttccccccac	agatactcaa	atagctctga	ctgctgaaat	180

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attggtatct tactgtcagc acataacttg ttgctgtgtt attgacattt tcaactgtttt 240
gaaatTTTTa ctgttatctg ggTTTgaatc ccagctctcc caagcttcag ttttctttca 300
tttgtcaaat gagataaaag tatccacttc ataggggtgt tatgaggatt aatgatgaat 360
acaaaacact taacatagta cgtggcatgt aatattagtt gtaaagttaa tgtattcatt 420
atcatcattc tgTTTcaaT cagcaatgaa atacagacta cactaatccc atttctgctt 480
ggaattgtga gtctaaatgc catgtagcag ttccctgctt gaaatacact gtaaaccctt 540
caattgcagt caagaatttt actaccttct anggtatacc agggatgggt ggaacataag 600
taaacccttg agatttggtt tttccccgtg gtttgggaat tctaancctt ttctaccaa 660
aaaggtaggt aaccctaaa aatttctaT taccatgccc caccntggat ggctnccctn 720
ccaattaaaa actttcagta a 741

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<210> 1617

<211> 738

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(738)

<223> n = A,T,C or G

<400> 1617

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ttnanttcan atcanctctt gttctttttg caggatccca tcgattcgaa ttcggcacga 60
gccctatctt atgagaaaag taactttgaa aggactaata catcctgttc ttagcttctg 120
cttccttcag gccttctcta tgaagccagc ctattctgtc cagcgctttg gaacactgat 180
tctatttcat ggaccgaagc attgccaat tgtagaattg caataaagcc aactgagatc 240
tttaaattgg ctataattca tcctttggca atacagtaaa aaaaaaaaaat tctcacaatt 300
ctgtagaagg gtatgagata tacaataaaa gacaccccca ccctctgcaa tctaccactc 360
acagtagttt atctggtggt ttccactttt taacaatggg tctgggccag gtgcagtgc 420
tactcccgT aatcctaaca ctttggaaag tcgaggcggg caggttgcct gagctcanga 480
gttcaagacc aacctgggca acacagtga acccctgtct ctactaaaat acagaagaaa 540
ttaaccggg tgtggcggca tgcgcctgta gtcccagcta ctcgtttggg ctgangcaag 600
gaaaaattgc ttggaacca ttgangcaaa aggnntgcag tggagcccaa aatcaatgcc 660
ggttggnact ttcaaacctt ggggtggaca aaaaccgaag aacttttgtc ttntttaaaa 720
aaaaattaaa tttaaaaa 738

```

<210> 1618

<211> 722

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(722)

<223> n = A,T,C or G

<400> 1618

```

gnntttnann ncnnttnan ttcanatac anctacttgt tctttttgca gggatcccat 60
cgattcgaat tcggcacgag atcatattca agttggcagg tttgactgtt cctctgcacc 120
agacatctgt agtaatctgt atgtttttca gccgtctcta gcagtattta aaggacaagg 180
aaccaaagaa tatgaaattc atcatggaaa gaagattcta tatgatatac ttgcctttgc 240
caaagaaagt gtgaattctc atgttaccac gcttggacct caaaattttc ctgccaatga 300
caaagaacca tggttgtgtg atttctttgc cccctgggtg ccaccatgtc gagctttact 360
accagagtta cgaagagcat caaatcttct ttatggtcag cttaagtttg gtacactaga 420
ttgtacagtt catgaggac tctgtaacat gtataacatt caggcttata caacaacagt 480
ggattccaac cagtcacat tcatgagtat gaaggacatc actctgtgta acaaatcttg 540

```

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gagttcatag angatcttat gaatccttca gtggtctccc ttacacccac caccttcaac      600
gaactagtta cacaaagaaa acacaacgaa gtctggatgg ttgatttcta ttctccgtgg      660
tgtatcctt  gccaaagtctt aatgccaaaa tggaaaagaa tggcccgac  attaactgga      720
ct                                     722

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<210> 1619
<211> 702
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(702)
<223> n = A,T,C or G

```

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<400> 1619
ttnanttcan attgactctt gttctttttg caggatccct cgattcgaat tcggcacgag      60
gaactaatga aaagtgggtg tctctaacct tggatatgctt tcagagcntc agggttaaat      120
tacctcaact tttggcaggt ntactctaaa gctattaagt atntaatatg ggctcggcat      180
ggtggctcac acctgtgagc cacctancac tttggcagtc caaggcggac agatcacttc      240
aggtcaggag tttgagacca gcctgtccga cgtggtgaaa ccccatctct actaaaaata      300
caaaaaccga ncgtgggtggg tggcatgcac ctgtgggtccc actacttggg aggctgaggc      360
agganaatcg cttgacccag gaggcggagg ttgcagttag ccaagactgt gccactgcat      420
ttcagccttg gtgacagagg gagactgtct caaaaacaaa aaaacaaaaa acaatggctg      480
ggcacgggtg ctcacgcccc taatcccagc actttgagan gctgaggcgt gcgttatcac      540
cttgagggtc aatgttgaan accagcctgg tcaaaacttg tgaactgtc tntacaaaa      600
atacaagaat taggtggaca tgggtgtcggg ctctgtaatc tcaacttacc aggangetga      660
ggcaggaaaa tggctttgaa cccaaggang tggaaagtca at                                     702

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<210> 1620
<211> 1028
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(1028)
<223> n = A,T,C or G

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```

<400> 1620
ttgatctttg attcnatcaa ctcttntctt tgaggatcca tcgttcaatt cggcacgagc      60
cgcnaacttg nncgccgtgg tggacaacgt gccccenttn cnetggangg aattcgtncg      120
gcgcctaggg ntgaactnga ccacgatatc cgatnngcat ggagctgnaa gaacaggggcg      180
ctgnccttgn gccnagggcn gcnaatacan tnatgcttnt cgnaacctgg gaaangctgg      240
ntgcaactcc cnatgggtt tcggaagn gn ccaacggctt ggggnaaacc ttgccttggg      300
gaaacgtccn nttgtcttnc cgggatntaa ccaattnggg aaccccttg gctttngggg      360
gncnttggcn cctnngggga annngaacca ttttccnata tnnggaaang gccccnctt      420
nttttggncg gaagccccc anncccttnc cnttttccc tgggtgcneg gcccgacctc      480
caaattgcct tttttttnaa ataattgcaa anggccttga ccccccccc ttnantgn gn      540
ccaggctttt taaaanggaa cccggttccc ttgntaaaaa atcnaccctt taccnnaacc      600
cccaactttt ntttttntt ggaaaaaag ggaaangggg atccctggcc atgggngcca      660
aantcnaagt anacttatcc aaaatccgga gcttnacctt ttgnttggct ttaaacccca      720
anttcggatt nntaccanta aacttttttc ctttntaaaac taaatccttg accnncgncc      780
ntctcttaac aattaaaanc ntccttgttt nctcctcca naaaaaagna tnnttncnc      840
cccanagnng ccttcaaaaa aaacnttgn ggtgggggtg gggattttng ggaaggaaan      900
anaagggaac cnttttggc ttnaaagccc cntnttttgg ggttttaact gaacnaaanc      960

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caaggtttgt ttngnaggcc cccnngggnc canncctttt aancnctttt tcaccaatng 1020
gcantaan 1028

<210> 1621
<211> 749
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(749)
<223> n = A,T,C or G

<400> 1621
ttccattcaa actncttntt anctcttggc ctttatgcag gatcccatcg attcgaattc 60
ggcacgaggg ggctcttttc cctcgtgact cgggttgctcc tggcgccgag acggggcctc 120
acgggtccga gtcccagcga acccctgccg gtgggtgcncn ttccaaaaaa gctcccagaga 180
cntacttttt tgacacagaca tagcctntcg gggcctggac agcactgggtg tggagctgggt 240
tgtcaattat gatttcccc cagccttgca agattacatc cacagagcag ggagagtggg 300
ccgtgttggg gagcnagggt ccaggcaccg tcatcagttt tgtgacccat ccttgggatg 360
tgagcctggt tcanaagatt gagctggcgg ctgcgccgaag gagaagtctt ccaggactag 420
catcctcggt gaaagagcct ttgccccaac aacctgattt tgacaaatct gattaaaatg 480
tgatgctaga cagggatctt tcccagatc ttgagtgggg tgaccacact ttgtcagtgg 540
ggaggcttnt gggcttgccc ttgtcngctt ccttgagggc cgggatgaac tgcttttggg 600
aactttggaa aaggtacccc tgcttggncc agcatttggg angaaaaaaa cctgcttgaa 660
ncattggctt ttcttgtaag tcntttaanc aaagaacaca aagtgggatt ttggactttt 720
ggantcatgg tcattgaatt tcttaacaa 749

<210> 1622
<211> 707
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(707)
<223> n = A,T,C or G

<400> 1622
tttnatnctt ttacaactct tgttcttttt gcaggatccc atcgattcga attcggcagc 60
agctgaccc cgccttccag aanganctga aggagatcca gtacggaatc agagcccacg 120
agtggatggt cccggtgtga actgcaggct gtgctccaga tccaccgacc cgtagcatct 180
cgtcacgcca gcaactgcct ccctaccaat gactcacctg aaattgaaac gggcaggaaa 240
tagtctggca gcctctacag cagaagaaac ggcaggcagt gcccagggtc gtgcccagga 300
ggctgagcag ctgctacgag gtcctctggg tgatcagtag cagacggtga agccttagct 360
gagcgcaagg cccaagggtg gctggctgta caggcaaggg cagaacaact gcgggatgag 420
gctcgggacc tgttgcaagc cgtcaggac aagctgcagc ggctacagga attggaaggc 480
acctatgagg aaaatgagcg ggcactggag agtaangcag cccctcgtcg cgggttcang 540
tccgcccatt actnctttgt cgtgcngtca aaggatacac ctttgcccc gattnccgga 600
tctnttccg ttctcangcc anaaccctg gtgcttgccg gtgaattttt ttttctctg 660
gctttgcttg caatttttga aaataaaatg nccnaaaac aaaaaat 707

<210> 1623
<211> 707
<212> DNA
<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(707)
 <223> n = A,T,C or G

<400> 1623
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 cgaattcggc acgaggagag agagagagag agagagagag agagagagag agagagagag 120
 agagagagag agagagagag agagagagag agctnacacc agaagaacaa ttagcagata 180
 aactgcggct aaagaaatta caggaagagt cagacctcga attagcaaag gaaacttttg 240
 gtgttaataa tgcagtttat ggaatagatg ctatgaaccc atcttcaaga gatgacttta 300
 cagagtttgg aaagtacta aaagataaaa ttacacaata tgaaaagtca ctatattatg 360
 ccagtttttt ggaagtctta gttcgagatg tgtgtatttc atgtaaagta attctaattt 420
 ctagcccttc tgggtagatt tttagtagga tgttctcttc aggagggtga aggttatttt 480
 ttattttcaa ggatactata atacanactc atgatttgcg gtttttagca attacctgtg 540
 gaatgtgtgc tgcanaatcag tgaatttgag tgctggatct ttttgtttgt tgnaggggta 600
 agaagacttn ttgtttacaa tggcttcctt taaaanatac ctgggcttgt caccaaagca 660
 nttaataaaa cactggcctn ttntttttaa aaaaaaaaaa aaaaaaa 707

<210> 1624
 <211> 683
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(683)
 <223> n = A,T,C or G

<400> 1624
 ttganttcgt tcagctcttg ttctttttgc aggatcccat cgattcgctc agccctcggt 60
 caaaagaatc tgttccagaa ttcccccttt cccctccaaa gaagaaggat ctttccctgg 120
 aggaaattca gaagaaatta gaagctgcag aagaaagacg caagtcccat gaagctgagg 180
 tcttgaagca gctggctgag aaacgagagc acgagaaaaga agtgcttcag aaggcaatag 240
 aagagaacaa caacttcagt aaaatggcag aagagaaact gaccacaaa atggaagcta 300
 ataaagagaa ccgagaggca caaatggctg ccaaactgga acgtttgcga gagaaggata 360
 agcacattga agaagtgcg aagaacaaag aatccaaaaga ccctgctgac gagactgaag 420
 ctgactaatt tgttctgaga actgactttc tccccatccc ctctctaaat atccaaagac 480
 tgtactggcc agtgtcattt tattttttcc ctcttgacaa atattttaga agctaattga 540
 ggactgtata ggtagatcca gatccagact gtaagatggt gtttaagggtc taaaggggag 600
 aactgaagtg ttttactctt tttctaagtg ttggctttct atgnactatt ttcttggtgt 660
 ctttttactt cntcaettgg ggn 683

<210> 1625
 <211> 707
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(707)
 <223> n = A,T,C or G

<400> 1625
 ttgatncntt acatttnatc cttttttgca ggatcccatc gattcgtttg gctctacttt 60
 gcagggaatc tggcatcggg tgggtccgca ggggcnacat ccctgtgttt tgtgtacctt 120

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cttgattttg cccgtaccg tctagcagct gatgtgggta aagctggact gaaagggaaat 180
tccgaggcct cggtgactgc ctggttaaga tctacaaatc tgatgggatt aagggcctgt 240
ccaaggcttt aacgtgtctg tgcaggggat tatcatctac cgagccgcct acttcgggat 300
ctatgacact gcaaagggaa tgcttccgga tcccaagaac actcacatcg tcatcagctg 360
gatgatcgca cagactgtca ctgctgttgc cgggttgact tcctatccat ttgacactgt 420
tcgccgccgc atgatgatgc agtcagggcg caaaggaaact gacatcatgt acacaggcac 480
ccttgactgc tggcgggaaga ttgctcgtga tgaangangc aaactttttt caaggggtgca 540
tggtccaatg ttctcanaag catgggtggn gcttttngc ttgtctttna ttgatgaaat 600
caagaagttc accntaagtt tatttcctan gattttttcc ccctgtgaaa caaggcattg 660
ttggaantta atatnaacaa antctttgaa ncattttttt gaacana 707

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<210> 1626

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1626

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ttgacttcgt atacaatntc ttgntctttt tgcaggatcc ctcgattcga attcggcacg 60
agcgaagtcg ggatcgaaga aagatcaaaa agccggggtc gaaagtcata taagcacagg 120
gagcaaaaagt cgggacagag aacaagatag aaaatccaag gagaagaaaa agaggggatc 180
tgatgataaa aaaagtagtg tgaagtcagg tagtcgagaa aagcagagtg aagacacaaa 240
cactgaatcg aaggaaagtg atctaagaat gaggtcaatg ggaccagtga agacattaaa 300
tctgaagggtg acactcagtc caattaaaac tgatctgata agacctcaga tcagacagag 360
gactactgtt cgaagatttt tggagaagaata ctgagaacgg cataaagtga agatcgacat 420
ttaaaaaaatg aggtgaaaga aagctatagt ggcatagaaa aagtataaag ctgagttagt 480
ttttttatta ttattattat taaaagttaa ttcaggactg atgtgaccta ccagatttca 540
gaacatgtgt taatagtata tatgccactg aaaacttagg tcctgtatca tacttttttc 600
tttaagactt tttaagaaat attacttaaa ccttgtggct tgctcagtggt tttaattgac 660
agtttcaatc ttggactttg aaacaggatt aaccgtagtn 700

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<210> 1627

<211> 703

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(703)

<223> n = A,T,C or G

<400> 1627

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ttanatacaa gctacttggt ctttttgcag gatccctcga ttccaattcg gcacgagctt 60
gagcttagga gttcaagacc agccttggtc acgtgggtaa accccattgc tacaaaaata 120
tatatatata aaaaattagc tgggagcggg tggcacatgc ctgtagtccc aactactcag 180
gaagcccgan gtgggagaat tgcttgagtc tggggagcag aggttgagct gagctaaggt 240
catgccactg tactccagcc tgacagagca agaccctgtc ccccgacaaa aaaaagcatc 300
atgagcaact ctcccaaggc tggcccctgc acatgtcttc ccatccacca atagagtccc 360
agttcatagc cattgtcaca ccattgtcct gtcttctctc caactgaggg tgatgtttag 420
aggcatgatt tctatctaata attgaagcca gaggtctctc caacattttc cagagtcttc 480
ttgtagaaaa ggagctatgg atgtttcctt gaaaacangc cccgattcct gtgacacacc 540
catcacatgt tgctcaaagc tatcccaaga tattaccaaa tattggacat cctgtcctgg 600

```

gtgagcaggt agcagtgcta aggtaagaca aagttnccag ttctgggagt cttcctactt 660
ccaagaaggc caatccttga gcagtgtgga ttnctgtggg tat 703

<210> 1628
<211> 715
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(715)
<223> n = A,T,C or G

<400> 1628
tttgaatccc tttacaactn cttgttcttt ttgcaggatc ccatcgattc gcccttgttt 60
acagcaataa gcacgtcctc ctcccnact cccattccag gattgtgggt tggattgaaa 120
ccaagtttac aagtagacac ccctgggggg gcgggcagtg gacaaggatg gcaaggggtg 180
ggcattgggg tgccaggcag gcattgtacag actctatata tctatatata atgtacagac 240
agacagagtc ccttcctctt ttaacccctt gacctttctt gacttccctc tcagcttcag 300
accccttccc caccangcta ggccccccac acctggggga ccccttggcc cctcttttgt 360
cttctgtgaa gacaggacct atgcaacgca cagacacttt tggagaccgt aaaacaacaa 420
gcgccccctc ccttcagacc cttgagccgg gaaccatctc ccaggacctt gccctgtctca 480
ccctatgtgg tcccacctat nctcctgggc ctttttttaa gtgctttggg ctgtgacttt 540
catactctgc tctttagtct aaaaaaaaaa aaactggaga tnaaanttnn nnntnccaaa 600
nnnnnnanant tnnnnnnnnn annnnnnnnn nnnnnnnnnn aaantnaatt tnnntnnnan 660
ttgtntnnng ctnttanaaa tanantnnac ccttncctnt ataaaatttt gnnng 715

<210> 1629
<211> 694
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(694)
<223> n = A,T,C or G

<400> 1629
ttcanatata agctacttgt tctttttgca ggatcccatc gattcgaatt cggcacgagg 60
cctacactag tgaattaatc tgaaaggcac tgtgtcagtg gcattggctt tatgcttgtc 120
ctgtggtgac agtttgtgac attctgtctt catgaggctt cacagtcgac gctcctgtaa 180
tcattctttg tattcactcc attccctgtt ctgtctgcat ttgtctcaga catttcttg 240
gctggacaga tggggttatg catttgcaat aatttccttc tgatttctct gtggaacgtg 300
ttcgggtccc agtgaggact gtgtgtcttt ttacctgaa gttagtgtga tattcagagg 360
taaagtgtgt tgctatcttg gcagcatctt agagatggag acattaacaa gctaattggt 420
attagaatca ttgaattta tttttttcta atatgtgaaa cacagatttc aagtgtttta 480
tctttttttt ttaaatttaa atgggaatat aacacaagtt tcccttcca tattcctctc 540
ttgagtttat gcacatctct ataatcatt aagttttcta ttttattaca taaaattctt 600
ttagaaaatg caaatagtga actttgtgaa tggatttttc catactcatc tacaattcct 660
ccatttttaa atggactact tttattttta aatt 694

<210> 1630
<211> 908
<212> DNA
<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(908)
 <223> n = A,T,C or G

<400> 1630

gaaaaccctt	ttgaaatncc	cnntttnaat	tcanatacaa	gctacttggt	ctttttgcag	60
gatcccatcg	attcgaattc	ggcacgaggt	ggcaaagctt	catccagtct	aggtcttcag	120
gattttgatt	tgctccgggt	aataggaaga	ggaagttatg	ccaaagtact	gttgggttcg	180
attaaaaaaa	acagatcgta	ttttatgcaa	tgaaagttgg	tgaaaaaaga	gcttggtaat	240
gatgatgagg	atattgattg	gggtacagac	aggaagaagc	atgtgtttga	gcaggcatcc	300
caatcatccc	tttcccttgg	ttggggcctg	canttccttg	gcttttccag	nacaggaaaa	360
gccaagaatt	ggtttctttt	ggtttanta	ggaagttant	ggttaaaaat	ggggaaggga	420
agaaccnta	aatgggtttt	ccantaatgg	ccaggccgga	acaaaaagg	aaaaaacct	480
tttcccntgg	naaagnaaaa	ccaattgncc	ccaagaaatt	tttttaacnt	tcttgcccaa	540
gaaaaaaatt	caaagttcct	taagcccant	tttaaaaaat	ttaattcctt	ttcnattgga	600
agcccgaaag	gggaattaaa	nttttnanta	aggaagaatt	tgnaaaacc	ttggggacca	660
aatggttatt	taacctgggg	acntcntgga	aaggccacc	antttaaaac	ntccactgga	720
cccaccggcc	attgtgttaa	aggaaaggat	ttaccggcca	gggnaagata	ccaaccagca	780
ctttctggng	gtacctncta	attacatgct	cctggaaatt	ttaagangag	aagattatgg	840
nttcaatggt	gactgggtgg	ctcttgaggt	gctcatggtt	gaagatgatg	gcaggaaggt	900
ctcctttt						908

<210> 1631
 <211> 710
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(710)
 <223> n = A,T,C or G

<400> 1631

gaancccttt	nnnttnnaa	ttcananaca	ngctacttgt	tctttttgca	ggatcccatc	60
gattcgaatt	cggcacgagg	gaactaatga	aaaagtgggt	gtctctaacc	ttgggtatgt	120
ttcagagcat	cagggttaaa	ttacctcaac	ttttggcagg	tatactctaa	agctattaag	180
tatataatat	gggctcggca	tggtggctca	cacctgtgag	ccacctagca	ctttggcagt	240
ccaaggcgga	cagatcactt	cagggtcagga	gtttgagacc	agcctgtccg	acgtgggtgaa	300
accccatctc	tactaaaaat	acaaaaaccg	agcgtgggtg	gtggcatgca	cctgtgggtcc	360
cagctacttg	ggaggctgag	gcaggagaat	cgcttgaacc	cangaggcgg	aggttgagct	420
gagccaagac	tgtgccactg	catttcacct	gggtgacaga	gggagactgt	ctcaaaaaaca	480
aaaaaacaaa	aaacaatggc	tgggcacggt	ggctcacgcc	cgtaatccca	gcactttgaa	540
aggctgaggc	gtgcctttat	cacctgaggt	caagatgttg	aaaaaccacc	tggtcaactt	600
tggtgaaact	gtctctacca	aaaaatacaa	gaattangnt	ggacatgggt	tcnggcttct	660
gtaatctcaa	cttantcang	aagctgaggc	angaaaaaat	ggctttgaa		710

<210> 1632
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 1632

tttgaaccc	tttgnnantn	canttcanan	acaagctact	tgttcttttt	gcaggatccc	60
atcgattcga	attcggcacg	agagatacat	tgaactcttc	aggagcacag	cagctgaagt	120
tcagcagggtg	ctgaatcgat	tctcctcggc	ccctctcatt	ccacttccaa	cccctcccat	180
tattccagta	ctaacctcagc	aatttgtgcc	ccctacaaat	gttagagact	gtatacgcc	240
tcgagggtctt	ccctatgcag	ccacaattga	ggacatcctg	gatttcctgg	gggagttcgc	300
cacagatatt	cgtactcatg	gggttcacat	ggttttgaat	caccagggcc	gccatcagga	360
gatgccttta	tccagatgaa	gtctgcggac	agagcattta	tggctgcaca	gaagtgtcat	420
aaaaaaaaaca	tgaaggacag	atatgttgaa	gtctttcagt	gttcagctga	ggagatgaac	480
tttgtgttaa	tggggggcac	tttaaatcga	aatggcttat	ccccaccgcc	atgtaagtta	540
ccatgtaagt	ttttcttggg	tcttggcgct	attctacgct	atatgctggt	agggtgctta	600
gctgctttcg	taactttctg	gcccctgggt	ctttctgagc	agggtgaggtg	gttatataag	660
gctcttccat	ctgtaatcag	tagtacctgg	taatcattta			700

<210> 1633

<211> 670

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(670)

<223> n = A,T,C or G

<400> 1633

gntnaccnnc	cnngnncnaaa	nnacgcattnn	gnngnnttg	ctnanntng	catttttagt	60
agagatgggg	cttcacaatg	ctgcccaggt	ttttcnngaa	ccgctgacct	taancgaggn	120
gnctgccttg	gcctccccaa	gggtgcnggaa	tnacaggcat	gagccaccgn	gcccggatga	180
cancctgatt	cattaagtgt	ctntnecnga	cagnctaagt	ancnagctan	cnnncatgga	240
agtgcattgc	cnncanngt	ngttnttnan	ncctnaancn	gntgggncca	ggtntatnaa	300
cnanctnaca	nnctgngta	gagagggact	acaggcgcat	gccaccacac	ctggctattg	360
tggattttta	naaatttttt	ttgtanagac	agggtcttac	tatgttgccc	agggtgttcn	420
tgantctctg	ggctccagag	agccttccat	ctcagcctcc	caaagtgcnt	ganatnatag	480
gcgtgagcca	ccacncttag	cccattgtna	cttttttagag	ctctaatact	tcctttaang	540
gcactaaaaa	ctcaatctta	aatccagttg	ntnttcattt	gggtgaatga	aatggnaggg	600
accctcctta	attttttttc	cagggttttg	ggattgaana	aatttcaann	atcttcaaag	660
cgacctaaan						670

<210> 1634

<211> 716

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(716)

<223> n = A,T,C or G

<400> 1634

tcccntatac	aagctacttg	ttctttttgc	aggatcccat	cgattcgaat	tcggcacgag	60
ctttaaaca	aaaatatgtt	atcctacaca	ttagtgtaa	tccaatggtt	gtctcttatc	120
tgtctaaata	gcaaaatcat	gaaaaacagc	tggtttat	gcataggaca	actaacctgt	180
ctgtgtaact	ttgtttttat	tttaactctt	actagaaaat	ctaactctta	aacatttgaa	240
ttctaaacat	gtaaaatgtg	acagcctgca	atttttaga	cagtgaagta	atggctgcta	300
tttataaatg	gaacatctat	caaaataagt	aactgtttat	aaaattcagt	ttttgtaggg	360
ttttccaagg	aaaaatcacc	ttggttgaat	gtttctcact	catttaaaact	tgcagaagtg	420

```

attcatattc agtactgttt ttaatcactt tttaaaatat aaggaccgaa tgcaaggaaa      480
ccaaagttta ttaataattt ttatataact aaaataaaat agatgtggag ggatctgtga      540
tcataataaa aggganggtt actgaaaaga attttagcaa tatattgggt tcagggaaaa      600
nggagctgtt tttattaaaa tggatccatt ccactggntc cctaattgggt tcctatggta      660
tcctttccaa acccggatta cccttttact tattttttaa aagnagccgg taaaat        716

```

<210> 1635

<211> 691

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(691)

<223> n = A,T,C or G

<400> 1635

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accnnaaacc ctttgcact ncttggtctt ttgcaggat cccatcgatt cgaattcggc      60
acgagggttg cttccccggg agagganttt gaggattaaa aatattcaga acaaaacaaa     120
agaacacaaa aatgcaaaca catggtangg aattactact gcttattctc aacagtacca     180
cagaaccagt gtttgagtgc tggcaccata tgcaacatgg ggcacccggg ctggagtgat     240
ccagtttttt agttggtggt ggcgatgatt tttctttcct tttggtttat aattttctgt     300
tcatttttcc cctttctcc cccacattca ttaagaaccc tactgaaacc ctagggtgaca     360
aaaggtgtgc cttctgttgc cacatttgac ccaccacagg actcactgga ctggacttct     420
atttatattg tattaagtaa ctgatataata tatatatata tatatatata ttttttggat     480
tgacacacaaa aaattacctt ggcacaaatg ccagacctgt gaaggtcaga ggcccgtgct     540
ttcttccagg agggagggaa ctttttggtt gctgtggcaa ttctctctgta cagattgtaa     600
ctttttttaa aatttccctt caccctcgtc acttgaatat atgttcatag taatttgtaa     660
gaatacttct ttttcttat tttgggtgca a

```

<210> 1636

<211> 686

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(686)

<223> n = A,T,C or G

<400> 1636

```

tttgaatccn tttacancta cttgttcttt ttgcaggatc ccatcgattc ggcagagttg      60
gccttttggc cgtggtgtgc tagtancttt ggctgatgct aagctttcct ggtagcgcc      120
ctatttttaa gaagtaattg cttttgaatt aagttatagc attactaatt catgttaatg      180
actaggaaac cctctgtaat ttacaagatt tttcaaattg gtggggagtg aataaataca      240
atttaaaaga gtcagaaatc agtttggcaa agtgactttt ctttaattct atttatgatg      300
aagtatanca taatttatat gtaatactac tttatggtat accagtgaat gaactgtagt      360
ataaaaaaga ggtattaatg ttttatgaaa tctcatgcat cagttcatag cataaaatct      420
agctggacaa ctaagaagct atggtagcaa acagtgatgt tgatggaatg agaatcatga      480
actttcatac tacctcaaag gattttttta tcagtttttt tcacacatca gaaaaaactg      540
actgtataaa cacttatcac tgaccttttt ctatgtgnag ttttgccttt tatcttttcc      600
caaattttat aaagagaaat taatnaatat tttattacac attgtaaaaa aaaaaaaaaa      660
aaaaactcga gcctntagaa ctatan

```

<210> 1637

<211> 710

<212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(710)
 <223> n = A,T,C or G

<400> 1637
 ttccgtatac agctacttgt tctttttgca ggatcccatc gattcgaatt cggcacgagg 60
 caaggtgcag tagctcacgc ctgtaatccc agcactttgg gaggccgaga cagggaggat 120
 tgctttagac caggagtcca ggaccagcct ggccaacaca gtgaggccct gtctacaaa 180
 aattaaaata atcacttaaa aaaatcaa atctttgaaa aagtttagac ttgtaaaata 240
 taatatgggg aaaatggaca tggtagaat ganaaactac aaaataaaac acagacagac 300
 agacctgtga ttggtaaata ttgataggg tccagaaaaa cttatggatg aatcaaatca 360
 taattgtata atttgcctac aaaagaactg atccagatca aaataatttc aggagactaa 420
 agtgaaaatg gaaacatttg gaantctgtt aaacaactgg cttaatgaac ttgtctctag 480
 aaaataccct ctcaatgaaa atgaactttg ctatgggtata tttttctttt aaatagtgtg 540
 agtcatgaac atggagtcaa aatgctctct gggctatcaa tttttctctt taaaacaagg 600
 cttttggctt gcattccac aaggctctta aataccgtaa ntattttccn ttatttttcc 660
 cagaatcaaa antattttnc caaatccctt ttggggantt tcttctttcc 710

<210> 1638
 <211> 685
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(685)
 <223> n = A,T,C or G

<400> 1638
 ttcanatcag ctcttgttct ttttgcagga tccctcgatt cgaattcggc acgagtga 60
 ttcagctaac cgagcagcta cgggtccctca tccccaacga gggatgtgag aaagtcatg 120
 tctcatgtta tctggacctt gaaaatggaa tgttcagaac acatgtgcaa gggagctgtg 180
 ccaagctcat gtgcgaaca ggcctcctga tgaagcttct cagcgagcag caggaagcaa 240
 aggcattgaa tgtagaatgg gatacggacc acaaaaaaac aaattatatt aatgagaaca 300
 tggaacagaa tgaacagaaa gagcagaagt caagtgaagt catgaaagaa gttccaggat 360
 atgactataa gaacaaactc atcttcgcaa tatctgtgac tgtcactata ataattttga 420
 ttataatttt ttgttttata gaggtaaaga caataattaa ttcagggtttt caaaatacaa 480
 tctgtgtttt gtgtggattc agaatccaca aactgaaaac caacgtcact ttccacttg 540
 acattcttct tctgtcattt aaaggetgan gtgtgctttg ttcttttact gcaatgtata 600
 ttccaggatt ggtaaaggat cctcgcttnc aggggtctc tgtgaaataa aaccaagtt 660
 aatcccaaaa aaaaaaaaaa aaaat 685

<210> 1639
 <211> 683
 <212> DNA
 <213> Homo sapiens

<400> 1639
 ttcgatcagc tcttgttctt tttgcaggat cccatcgatt cggaaagatt ctcaaggaag 60
 aagtaataag gcattacatc tgaagagtga tgcgtgaattt aaaaagatat ttggccttac 120
 taaggatttg agagtgtgcc ttactcgaat tccctgccatt tgacctctgg agaaggtttc 180
 gattccttta gcagtttggg aaagagtggg acttacaaag agacagagtt tatggtgaag 240

```

gaaggagaga gaaaacagca gaattttgat aagaaaagaa aagcaaaaac taataagaag      300
atggatcaca taaagaagag aaaaacagag aatgcttata acgcaatcat aaatggggaa      360
gctaattgtca ccggttccca actcctaagc agtattttac caacttcaga tgtgtcacaa      420
cataacattc tcacgagtca cagcaaaacc agacaagaaa agagaactga gatggaatac      480
tatacccatg agaagcaaga gaaaggcctt tgaattcaaa tgcagcttat gaacaaagtc      540
attttctcaa taaaaattat accgaagata ttttcccagt gacaccaccc ggagtttagaa      600
gaaaccattc gagatgaaaa aataagaaga ctttaagcag gtgctgagag agaaagaagc      660
agctcttgaa gaaatgcctt aga                                     683

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<210> 1640

<211> 689

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(689)

<223> n = A,T,C or G

<400> 1640

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ttcanatata agctacttgt tctttttgca ggatcccatc gattcgaatt cggcacgaga      60
gaagaatttg gtataatcat gaaagccctg tggacaggac agtatagata tatcagtcca      120
aagggacttt aaaatcccat tggggaagat caatgaccaa gtttgcagga tacagtcagc      180
aagattcaca agaattgctt ctgttcctaa tggatgggtc tccatgaaga tctaaataaa      240
gctgataatc ggaagagata taaagaagaa aataatgac atctcgatga ctttaaagct      300
gcagaacatg cctggcagaa acacaagcag ctcaatgagt ctattattgt tgcacttttt      360
cagggctcaat tcaaactctac agtacagtgc ctccactgac catccacaag taaatgtaca ttacaggatt      420
gagggccttca tgtatttgtc tctccactag catccacaag taaatgtaca ttacaggatt      480
gccttagatt attttccaaa gaagaaaact cacagataac aacagatttt actgcagtca      540
ttgcagagct cgacgggatt ctctaaaaaa gatagaaatc tggaaagttac cacctgtgct      600
tttagtgcac ctgaaacggt ttttctacga tggcaggtgg gaaacaaaaa attacagaca      660
tctgtggact tccccgtaag aaaatcttg                                     689

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<210> 1641

<211> 683

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(683)

<223> n = A,T,C or G

<400> 1641

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ttcananaca agctacttgt tctttttgca ggatcccatc gattcgaatt cggcacgagg      60
tttcttgtaa gtactctggg agtgcataat acattttaaa taagattaaa aattatgttt      120
tattcttact agcatcactg tcagataatt gagccgtgag agcattcagt gctgtgtgct      180
tggtaccgaa gtagtaacat caattcagtg ttcagtacat ccactttgtt ccagaacaat      240
gtattcaagg tcggtgtatt ttggctgtgc cacagagttc tggaaattcc caagagaata      300
agttttcacc tgttatataa tccagcaca gtgactgtgt agcagcaacc tcatgtttca      360
tgatgacttt aaaatgcaat tgattctaaa atttagcttt taaaaatttc gacttcagat      420
tttctctgaa ggtttaaggt aggcttctcc tttattaatt tttttcaaga aatatttaag      480
aacactgctc tgtgttatgt accattctaa gcactttaca gatactaatt catttaatcc      540
tcagccctgn taggttaagta ctgctattcc ccccgctccag atgangaaac agcctcagag      600
gagtaaaaca ggttgetcan gtacacggca gcgggttggg ctactcagtt tcagataatc      660
actngaaat tttactggtt tga                                     683

```

<210> 1642
 <211> 716
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(716)
 <223> n = A,T,C or G

<400> 1642
 tntcanatac agctcttggt ctttttgcag gatcccatcg attcgaattc ggcacgaggg 60
 aacctcacct gtggctcagc tcacccacaca tccgtttctc attacgtgta aataaactgt 120
 cagagctgat gttacagctt ttacagttaa aagcattccc ctctgtctta gttccttttt 180
 tcttggttac atgttttggg cactttccct cattcaccac cttccagggt ttcatagaaa 240
 ataacttggt acaaaatcag ttcaattcta atgtggacat agtggcatgt tcataattag 300
 acccatatag gggacactga gctttaaatc gttgattcta aactctatac attaaaaaaa 360
 ttcagccagc gccctcaaa gcctgagaaa atttaatttg ctcttaattt aatgttccaa 420
 aactcactct tggaaaaatg cctgttgga aactacaggt gggtcacatg tgggggctgt 480
 ctccgtgaca ctccaggattc cagtcagaac ctaatccotca tatctattgc ctacaaaaat 540
 agaccaagaa tgttgctgct cttttataat cctttaaata tttaacattc aagttttctt 600
 ttgtcttaaa ttcagcctct ttcttaaaag caaaaaaaaa gcctcttaga actatagtga 660
 gtcgtattac gtagatccag acatgataaa gatacattga tgagtttga caaacc 716

<210> 1643
 <211> 809
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(809)
 <223> n = A,T,C or G

<400> 1643
 ttgaattccn atacanctac ttgttctttt tgcaggatcc catcgattcg aaaaaataaa 60
 agtaaatctt aggcaagcta aagagtgaat tgtatcatca cataggagga agtgggggaa 120
 aaaagtgaat tgtaagaaat gaaatgataa gaagaactta gtgggtattc gtttgatttt 180
 ggaggcactc taggaaaatt ctgccagatt gtactacatt taaaaaaaaat tttttttaac 240
 ttttgtgtgc ttcagtttgg tcatagacaa atgaaaaggc acatcacaaa ctaaaaagaa 300
 aatcagttcc tatatatgat aaagggttaa tatgttttta tatggagagt tcatataaat 360
 caataaacia aacactaata ccctgtacaa ataataagacc tatcaggcat cgtttctgat 420
 gccgttctct gatgaaaagg aaccagggtc cctcagagaa atggctgatg cgaggactga 480
 gaaaatacac cagtatggta ggtcaaggca ccggtggctc acgcctataa tcccagcact 540
 ttggggaaag cccgaangtg gagccgggat ccactttgna nggtccangg gaagtttcca 600
 aagaaaccag gcccttgggn cccaaccatt ggggtaaaaa aaccccccat cttcttactt 660
 taaaaaaaaat tcccaaagga ttttagcccc caggccgtng gtngggtncc cattaccctt 720
 gttaaattcc cagccttact tcaaggaaag gcctttaagg ccaaggaang gaattgggtt 780
 tggaaacccc ccaaaaangg ccaaaaangg 809

<210> 1644
 <211> 1387
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(1387)
 <223> n = A,T,C or G

<400> 1644

ccgctcngca	nnnncttct	ntgacgcgcg	ntntntgtnt	gtnnnnanncn	ncngtatgtn	60
cncntnnacc	nnctgcgctn	ntcagcgtct	acganntggn	gntcatatag	gggggngatt	120
nacactgngn	gggtcnttag	nncgttttgg	aaaaaccct	ctggcagcgn	ccngcgaggt	180
nnancganct	cgctantaag	ngngggcnnt	aannngnnan	tnnngtnagg	ngcagtgnnt	240
nnntnnaggn	naattggnnn	ntantgntgn	ngnaacntna	tangtcnang	ttnantntng	300
ncngatatgg	nnttctgnta	tcgtnnnnnt	cnntannnnan	tnngnngnnt	gtcntgatgn	360
tnnngcntgt	nnnaagannn	ctntntctnt	gtgnntnnnt	gtncctcggg	tgtgtnnnnt	420
ngccccctaa	tnccngntnn	cannnttctnt	gctgggnant	nnncnntccn	tttttgntna	480
tnntccnngt	cngcntgncc	nnnnngnctn	ncgcnnnnna	nttccgnnan	tagcnnagct	540
ntggngctc	tnnnnntagn	ngatnnccng	tgctantnca	ncngantntn	nnnnnacgcc	600
gctacgncnc	tnctngatcg	tacnncantg	tgntncnnca	nacnnnacng	ntntnagcnc	660
agnanngtnt	acgctctng	taccncgcan	nntcgangcg	cngtnnagtc	tgggcgtnnn	720
tnngnanatg	atntcggntc	ccacntnntn	ngcgcntgca	aagagtgtna	tnncnctntn	780
gcncannngt	gtnacataca	ganacantag	cnggagcgcc	tnatntngng	tctanntacg	840
ctntntgtga	nngatntaca	tctnanntgg	cntgcnaent	nanntnatgn	cgcnantnnt	900
ganntnnngt	agangttcag	cnncaaattg	gcacgngcat	ntngnncttc	agtgcgcnn	960
tcgnnantnn	annacacnct	tgntgtant	gtcgtnatcn	ntaaccacnc	tncttactn	1020
ngngntcnn	cgggngngaa	gnnnatnnnt	ncnnnecgnat	gcgcagatac	gctnggngcg	1080
anattgngct	tgtncacgct	cagcacngtt	ntnacagngt	nnntntccn	nctgtcgnea	1140
tgcnncnggn	catnncgtna	gtntgtacgt	acngcgga	tantctnatn	tangctcanc	1200
ntnagcncnn	nctgcngag	tnntngtnca	tgtaangana	gatnatancg	tnantntntg	1260
nagnngtnnc	gccngngnga	nnngtacata	ctctgtntnt	nnngatctcc	ncgctncgct	1320
gntctctnecg	ngtnntatna	ncgacgtttn	nacagnnann	tcancntnac	tcccgtntctg	1380
atnnnng						1387

<210> 1645
 <211> 1492
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1492)
 <223> n = A,T,C or G

<400> 1645

acgtcnntct	gtccncatta	cncatannac	acacgtgnan	cctngacggn	cacnctgtgt	60
ctatcnntcn	ganannataa	cnttggtgcn	ntgncggnan	nacgagttcn	nctantgntg	120
cattancacg	agaggntctt	ncatttatnt	nnnggggcac	nccgcgcgct	tttggtaaat	180
ccntatttgt	natggaacga	gtcngctanc	aacatcntga	tnnntagntc	ccgatcanna	240
tgaagcnnta	ngcatcctcn	gaanctnnat	nggtanatnt	tnatntagcn	nnnnnnntgc	300
gnacnctnga	nanatagngg	acnctagnta	gtannntagt	ccatnacnta	tctnntgtnn	360
naaanccctc	annacnctct	ggcntgaaaa	natacnntna	nnntnggann	nnncngnncg	420
tgtnancagn	ngggntggat	tgtnttgntg	tgngcnctat	ncnctgnggn	ctaaatnnta	480
ntntactggn	ntnannnnnt	aagnntcnnn	ctnannnncaa	ncnnggcnn	tgagatntgn	540
acganttagg	ngtnnatcng	nntaggnnta	tcnnntnnna	ntganataan	gcnnntntnt	600
nctcantggn	tcnggcgctg	ctntctctgg	cagngtagtn	ntgcnnacnn	atgngngcnc	660
tnacncacng	cacncnctc	ancngatggn	ctantcacag	naccaacatn	cncantantc	720
tnanantact	nacnactgac	gcnnntgtnt	ctcgccntcn	ngaggananc	nnngacatgt	780
ctcngaacan	tcncnncnt	cacatntctc	ngcncgttca	ctnnntatgc	naagcnnntg	840
accgacnntt	ctntctntac	atatcggtng	tnntgtnnat	nacacgcatt	ctntcnccaa	900

```

nctatncncc ntcacnnngt agaganaacn cgattnnnta cttnncgata gcgcgcnnnt 960
atactnntta catanatcac tacttnngcg atnatctnaa tacnatacnn tgcggtcagc 1020
cnatntgaac nctcgaaca ctcnngacn tntnnatntn tcanncatgn atnnnanata 1080
cttgtgtgnt nagcacactt annctgagcg tancngctnt atcgtnacag cnttcgntnt 1140
acacaganca tacnttgntn tancgtatnn acnctatant gcaccntanc nactgatntn 1200
gtatnngnag gtgangntna agnggancnn tnnaanntgn cntancttct cctncngngg 1260
nncgnaacna ncnnctgag agtcnngtnn tgncaacttn tatcnaanna ancncnactn 1320
tacgcctga tcnnnngtct cgcngtntnn ntgtatatg ncgatctaaa tanncnntgt 1380
tgcgnntnta taagacnnct gctctnnatg ctctgnntca ctagnncagt ctcnttcnnt 1440
gnacaganng actgctntan ncntacgctc tegtgtntgn ccctcnatc cg 1492

```

<210> 1646

<211> 710

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(710)

<223> n = A,T,C or G

<400> 1646

```

ttcanataca nctcttgttc tttttgcagg atcccatcga ttcgaattcg gcacgagggga 60
taccgtatcg acgtggggcc tccggttgct gctaaatggg aaaaacttag cttagtactg 120
atagatgact ttattgaaag tggaaactgaa caagtactcc tactttttaa ggactccttg 180
aactcagact gcctgacttc atttaaaata acggatcttg gaaaaataaa ctattcgagt 240
gaaccatcag attgcaatga agatgactta tttgaagaca aacaagagaa tcgttacctg 300
gtgggtccac ctctagaaac aggactgaaa agcacatgga agatcttttt gcacttcttg 360
cagcattcca taaatcttgt tttcaaata caacaccccg ctatgccctg aattcaatga 420
agggtgtggt cttagaacat atgaaatgtg aaataatcaa agaatttcca gaagtgtact 480
tttgtgaaag accgggaagt ttctatggga cactcttcac ttggaacag agaacaccat 540
tcgaagggat tttaataatc tattccagga atcaaacagt tatgttccag tgccttcata 600
attctcatcag aattcttcct tataaactgt ttcctcaaaa atctaaaatc aggaagtgaag 660
aatttcctaa ttgataatat ggcatttact ttggagaagg actagtcacc 710

```

<210> 1647

<211> 721

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(721)

<223> n = A,T,C or G

<400> 1647

```

ttcnatcagc tcttgttctt ttgtcaggat cccatcgatt cgacctcaaa aaaaatgctg 60
atatcctaaa atattcctag tatcctaaaa tattccataa atcagatata ctacaaagcc 120
aaactggtcc ttcttgtaa aattaataag attctataag ctgttaacca aaaaagtctt 180
cactaacact gcatacttaa ctctcctaaa taaatttaaa tatgcaaaat gttatttcaa 240
atcaaaataa taataaacac aaccataaag ctagcaatta agattaaaag gtttatgagt 300
gtctattaaa ggataaatgg ataaagaaaa tgtgatatac gtatacaatg gaatactatt 360
cagctataaa aatgaatgaa atcatgtctt ttgtgtggca cgtggatgga actggaagcc 420
attatcttaa gtgaaacagc tcagaaacag aaagtcaaat atgctggaag atcttctctg 480
attactttaa ttttctaagc cagggtcattg gcttagtaag aaaggaagct attaggagtt 540
tgaaaagaga ggagagcata taattgtcta gaaagtggga aagtgaatgg actagagaaa 600

```



```

tacagtatga tcaccangcc agtggttaang ggctcatttg aggctaaagg gtctgagttt    660
aaaagtggan ggccnggtca gcnttggggtt ttgngncttt tttttcttcc agcccccttt    720
n                                                                    721

```

```

<210> 1648
<211> 712
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(712)
<223> n = A,T,C or G

```

```

<400> 1648
tacanctctt gttctttttt caggatccca tcgattcgaa ttcggcacga gcgcgacgca    60
cattgatgga gcgtatgtcc aggcgcgggt gcaccgcaag gagcaaaaca gacacagttc    120
ttggtcctag ggctcacgtc ccggggcgaa gaggatcctc cataaacgat cagccatagc    180
agctgtgatt ggacaagaga ctgatttcag tgactttctc ctgataagag accaccgacc    240
agctgaccat gccgaccagc tgaccggtta atagagagag atgatgcacc tgcattgcctt    300
tgtgtcctga aaagacgttt tgccataaag gccctaattg taagatgtgt aaatgttaag    360
tctccacccc aaagtgaaca tgggtcatat attacatgct ttgctcaata agagggcatg    420
tgtcaggacc accttcatga atattcatag ctctnctgt tacctgttga atatgtatgt    480
ttagccaatc ccttcagcat agcgtctcct gccccaaccc ctctncttg gacgtgcctg    540
tctctggcct tggctggaga cagattccca gcctcagaca gatggccgnc acctttgcag    600
gctacgaacc gtttacaaaa aaataaagcc ttctnttttt tccnnnnnaa annnnnnnnn    660
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ntntntntnn nn          712

```

```

<210> 1649
<211> 678
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(678)
<223> n = A,T,C or G

```

```

<400> 1649
ttgnaattca natcagctct tgttcttttt gcaggatccc tcgattcgaa ttcggcacga    60
gggacagcac ttagtagctg tggaggaaga tgcagagtca gaagatgaag aggaggagga    120
tgtgaaactc ttaagtatat ctggaaagcg gtctgcccct ggaggtggta gcaaggttcc    180
acagaaaaaa gtaaaacttg ctgctgatga agatgatgac gatgatgatg aagaggatga    240
tgatgaagat gatgatgatg atgattttga tgatgaggaa gctgaagaaa aagcgccagt    300
gaagaaatct atacgagata ctccagccaa aaatgcacaa aagtcaaatc agaattgaaa    360
agactcaaaa ccatcatcaa caccaagatc aaaaggacaa gaatccttca agaaacagga    420
aaaactccta aaacacccaa aaggcctagt tcttgtagaa gacattaagc anaaatgcc    480
gcnagtatag aaaaagcgca ttgacagtcc tgggcctcat gtaaattaag cccaagatg    540
gggagaagga aaaggagaga caaatatagt ccatctgagt gtatcaccat ncagctgagt    600
ttcttttatt natcccttct tgttgcacca tcctttcngt ggaacatntt ggtcctaacc    660
ttntttgntg tnngttca

```

```

<210> 1650
<211> 817
<212> DNA
<213> Homo sapiens

```

<220>
 <221> misc_feature
 <222> (1)...(817)
 <223> n = A,T,C or G

<400> 1650

ttgnaatttc anatacanct acttgttctt tttgcaggat cccatcgatt cgcctgatcc	60
tgccaacagc agttcaggcc agccccacat ggagcaagta cctgaggccc agccccttgg	120
ggacttgccc atcctggaag tggaggagat ggagcccccg ccggttatgg agtcctccca	180
gcccgccag gccaccgccc cgcttgactc tgggtgtgag aagcacttcc tgcccacacc	240
tgaggagctg ggccttcttg ggcccccag gccacagggt ctggcctgaa ccacacgtct	300
ggctgggggc tgccagccag gctagaggga tgctcatgca ggttgacccc cagtcttgga	360
ttagccctct tgatggatga agacactgag gactcanaga ggctgagtca cttacctgag	420
gacacccagc caggcagagc tgggattgaa ggacccttat agagaagggc ttggccccc	480
tggggaagac acggatggaa ggtggagcaa aggaaaatac atgaaattga agagtggcaa	540
cttgccctgc aaaaatctgt tccgttgtaa caagaacttg aattttggga cccccaagcc	600
ncaattgggg cttnacgncc ttggtaaatt ccccaaaaaa ctttttggc cangggcccc	660
aaangggtn gggaaaggg aatcaacntt taanaaggcc ttttggngaa gtttttggg	720
aaaaaaacaa gcccttggg gggccaaatt ntttnccca agggaaaccc ccttttaaat	780
tttccaaaaa aaatttaaaa aaccnntttt caaaaaa	817

<210> 1651
 <211> 718
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(718)
 <223> n = A,T,C or G

<400> 1651

gaaattcana tacanctatt gttctttttg caggatccca tcgattcgaa ttcggcacga	60
ggtgactcca agccccgctc ctgcagcgag agggccctga cgtcttccca caccgttcag	120
tcaacagaga aacaggaaca aaggaacagc atcatcaact ccagtttggga atctgtctca	180
tcaaatecaa acagcatcct taattccagc agcagcttac agcccaacat gaactccagt	240
gaccagagac tggtgtggt caaaccaccc cggcccaact cactcccccc gaatccaagc	300
ccaacttcac cctctcgc atcttgccc atgttctcgg cgccatccag ccctatgccc	360
acctcatcca cgtccagcga ctcatcccc gtcagggtctg ttgcagggtt tgtttggtt	420
tctgttgctg ccgttggtct ctcatggct cggctctctc ttcagtcagt gttcagcctc	480
ctcgtcaact ttgttcctg ccattccaaac ctgcacttgc tttttgacag gccagaagaa	540
gcggtacatg aagactccac acaccgttcc ggaaggcaaa agccttgat gcctgcaaag	600
cttgaacatg actcaaaact ttcgttcaca gcaggcacgg tcttcgataa tgcagaagt	660
gtccttcagc ttncacagc cattttnac tggcacaccg gaantctccg gggcacct	718

<210> 1652
 <211> 709
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(709)
 <223> n = A,T,C or G

<400> 1652

canatacagc	tcttgttctt	tttgcaggat	ccctcgattc	gaattcggca	cgagtcaggc	60
tgggagggac	ttcagttngc	atggtggggg	agaaccagta	ccacataccc	agtaggtaat	120
aaggtgtcca	gcagaggatg	aaggtcagca	agataagcag	ggccagtctc	agggcccgga	180
gacgaacacg	gggacaattg	tcaaaggagc	gggggagggc	aaattnacca	gcaggggcta	240
ggaatttaga	aaatatactg	taattcagac	actcagcttc	tgatctgagt	atagggtgaa	300
ttgatggagg	ggcatagcta	gtgagacaga	gctcgctccc	tacaaggagg	agaatgttgc	360
aaaccgtttt	ccccttccca	acctgggact	atatgatttc	ttacccccag	ggattatgat	420
agaaatatga	agccaccaag	tctagacttg	atggtgttca	agaataaata	atactgattg	480
cctccctagt	ccttgtccag	ctaactcagc	tgtttataat	tgaagggatt	caacaaaatt	540
atctctagca	tcaggtgcta	gacatgggta	gaatctcacc	atgggttant	gactggtaga	600
tagctattan	gtanggtagg	ataaaataaa	tgatgctaga	ggcaacaggt	ctanggttaa	660
ggattaaggc	cttggaattt	gggaatctca	ccatggctcc	ccttccttg		709

<210> 1653

<211> 1595

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1595)

<223> n = A,T,C or G

<400> 1653

gntttaaaaa	ggaaaaangg	atgannagga	ngggttantnt	ncgatnggan	gnnntnacgn	60
anaattcggg	cnttgtcnng	atancgnnnc	ntntcgtntg	tcacnnnnntn	atatgatntc	120
tngcgcntgt	gaggggtctc	nagcntgcgn	accnnntggt	actgaganng	agancncnca	180
ntagaagagt	acgccnatat	ctggnggacg	gntnccagct	gncnnntttt	ggnaaaaangc	240
ccttcagtgc	caanagcntn	ttcnatcntn	atatnctac	nctcagannn	atngncccta	300
nanagnnann	nncatnntgg	anatgcnnnt	ggncatatnt	gntnntnaga	gnanncagtt	360
ngnngncnnn	nntggangat	nngnttgann	tnatnatcag	cntnnacctn	tntnnnccgt	420
gngaatatnc	tngntncngn	gnttnagggg	ttgcngtncg	gnttgcnacg	gantnttgann	480
nnntnecgtnc	ncnnntcnnn	nangtnctng	ncngnntagt	gacngantna	angaggtcnt	540
nnngntcnnt	ntnngnnngn	tnnnagnata	nngcgcacga	nnnnctgtng	nngnnnnncnc	600
ntnnntcanc	tnncnaaacc	ntanactgga	tangtantnn	cgnannnnntn	cntntgtata	660
tntntcncng	tatnttcgcc	ncacatntga	gctatnatna	tagatcnnnn	atcgcanngn	720
ncatatgnac	gnatnggagt	cngcagctgc	acanggagga	cacnggtgnt	nanagtgnata	780
tatnagagca	natgnnacnc	nnngannctc	acgnaatann	atgtggcacn	gtagattcat	840
gctanagagc	ncgngngcng	nacagcntnn	atgatannag	nttgtnagcg	atcnatnnan	900
ttngatncac	annnnctnnn	tcgttntnnn	ncncagttnc	acgcgtgagc	anagtagagn	960
acnttgnann	ncgaatgnnt	nctgtatcgc	acgnncttgc	gtacacantn	tnnanacgng	1020
cnattatntg	cgnnccncgc	tgencgcgct	nacnnctnan	atcgcntttg	acgcnagta	1080
tgattgnatg	gcgntgcncg	tgnnanncgn	atnntggacg	natntgtgnc	gttntncgcn	1140
cannnncgnt	ctntggnttt	agaganacgt	gtntcactgn	ntagnagagg	ncgnttgna	1200
cggtnacagt	ntctnggata	gantgaanga	gtagatgcan	cnganaaggg	tgtnctagt	1260
ncacgcgnnt	nacntcnntt	gtngaagac	ntcatctnga	tatggcncgg	ngccgatatg	1320
actnactcgc	tacangtgte	tngatttncg	nntgacgagn	ntcgcgngag	cntactcant	1380
gnctntatgg	ngcgnnecgna	tatnnctatn	nnttgntagt	cngtccatca	ntntncaanc	1440
gattatgcgn	cacgntnncc	gcattacgat	gatgaccnna	cgatagggnat	ngctctnngt	1500
ctnatncac	antnanganc	tattnnatna	gaancatggn	aannnttggt	actatcgnat	1560
angtctnnan	ctatnaaggt	tatcgaacac	nagcg			1595

<210> 1654

<211> 776

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(776)
 <223> n = A,T,C or G

<400> 1654
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 caccaacttg aaaccagcaa ccatcaaggt ctatgactac tacctaccag atgaacaggc 120
 aacaattcag tattctgatc cctgtgaatg aggataggag ctggaaactc aattagtcct 180
 ctgtgacatt actggagggt ggaacattct tctgtcgctt gaagcagaac tcattcaatc 240
 aaataattta atttctctga ctagtatatg ggtaacaaat gaatatgtct gaacctcagc 300
 tataatactt tctactacct ttgcaaggag atgggatagg aacaatcact cagaggaggc 360
 gttgcatgga cagggtcatt agggggaaga aaggngggtt aactggttta tttaaccatt 420
 cagggggctc tncaaanang anaccgtggt aganggtgac tanaaaagat aagaatgtct 480
 ttcttagggc cggttgccgg tngctcacc cttgtaattc ccancacttt tgggaattgc 540
 naagggtggg ccggaatcan tttganggtc aagggagttt caaaaanaacc aagccttgcc 600
 caaacaattg ggaaaaaacc cccgtctttt ttcttaaccc aatttcctaaa aaaattttnc 660
 cccttggtgg ttgggtnggc aaccggggcc ctnttaattc ccaaccccc tttgggaaan 720
 gggccnaagg caagggaata aatccnctt tnaacattg gaagggtgga aggggt 776

<210> 1655
 <211> 762
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(762)
 <223> n = A,T,C or G

<400> 1655
 gnnnnttnt ttgattgntc tngctcttgt tctttntgca ggatcccatc gattcgaatt 60
 cggcacgagg tcaccaactt gaaaccagca accatcaagg tctatgacta ctacctacca 120
 gatgaacagg caacaattca gtattctgat ccctgtgaat gaggatagga gctggaaact 180
 caattagtcc tctgtgacat tactggaggg tggaaacttc ttctgtcgct tgaagcagaa 240
 ctattcaat caaataattt aatttctctg actagtatat gggtacaaa tgaatatgtc 300
 tgaacctcag ctataatact ttctactacc ttgcaagga gatgggatag gaacaatcac 360
 tcagaggagg cggtgcatgg acagggtcat agggggaaga aagggtggtt agctgtttta 420
 tttagccatt cagggggctc tccagagagg agacggtggt agagggtgaa ctagagaaga 480
 taagaatgtc ttcctaggcc ggatgcggtg gctcacgctt gtaatcccag cactttggga 540
 ttgagagggt ggcggatcac ttgaggtcag gagttcaaga ccagcctggc caacatggta 600
 aaaccgctct ctactaacia taaaaaatt agcctggtgt ggtggcacgg gcctgtaatc 660
 gcaacccctt ggaaggccaa ggcaggagaa tcgcctnaac actggagggt gangttgcag 720
 tgaacctgag aatgngccac tgnacttcan cctgggcaat gg 762

<210> 1656
 <211> 703
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(703)
 <223> n = A,T,C or G

<400> 1656

ttcanataca	nctacttggt	ctttttgcag	gatcccatcg	attcgaattc	ggcacgaggt	60
tggcttcccc	gggagaggag	tatgaggatt	aaaaatattc	agaaacaaac	aaaagaacac	120
aaaaatgcaa	acacatggta	gggaattact	actgcttatt	ctcaacagta	ccacagaacc	180
agtgtttgag	tgctggcacc	atatgcaaca	tggggcatcc	gggctggagt	gatccagttt	240
tttagttggt	ggtggcgatg	atttttcttt	ccttttggtt	tataattttc	tgttcatttt	300
tccccctttc	tccccacat	tcattaagaa	ccctactgaa	accctagggtg	acaaaagggtg	360
tgctttctgt	tgccacattt	gaccaccac	aggactcact	ggactggact	tctatttata	420
ttgtattaag	taactgatat	atatatata	atatatata	atatattttt	gattgacacc	480
aaaaaattac	cttggcacia	atgccagacc	tgtgaaggtc	agaggcccg	tgcttctccc	540
aggaggagg	gaactttttg	gntgtctgtg	gcaattcttc	tgtacagatt	gtaacttttt	600
aaaaatttcc	cttcaccccg	tcacttgaat	atatgttcat	agtaaatttg	taaganactt	660
cttttcctta	ttttggtgca	agaaccttcc	gacacattct	gtt		703

<210> 1657

<211> 858

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (858)

<223> n = A,T,C or G

<400> 1657

atncanatac	aactacttgt	tctttttgca	ggnatcccat	cgattcggct	cagtgtctggc	60
atgttgacct	ggtgttgca	gtgagtctgt	ggatccaggg	tcagtgtctg	tatgttttagc	120
tgacattggc	agtgagtcca	tggatccagg	ctcagtgtctg	gtatgttgac	ctgggtgttgt	180
cagtgtctgt	gtggatccag	gctcagtgtc	ggtatgttga	cctagcattg	gcactgagtc	240
tgtggattca	ggctcagttg	ctggatgtgt	gacctgacat	tagcagtgtg	tctgtggatc	300
caggctcagt	ttcacagagg	ttgtataaaa	catggtctca	ggtgggttct	tgacacctgg	360
gtttcaagca	caaaagtact	ggctgggctt	gttaggtgaa	gtgggggtggg	gtctaccacn	420
atgaatnnca	taattctgaa	ggctttgcca	anccctnggg	gaaaggtggg	gttcaaaaaca	480
caaggttgaa	naaccttttc	cgntgggtta	gggggtccaag	ancaccaa	taagggtgaa	540
nttaagtgg	tgnggccttc	tttattattc	naaagggggn	aaaagggccn	gtaattncaa	600
tttgggtaaa	gggtgggttt	nggtcaaccc	ntggggggn	tcttggccct	tggggttggn	660
atngtctctt	naagggggaa	aacccccctt	anaaagggaat	tccangcctt	nnggggnacc	720
aaggggtaaa	tccttngttc	cctcaagnca	accnccttgg	gttccnagg	tctntngant	780
aagaaccang	aaacttccag	gggttnaaat	aacaaaagg	gggcttntaa	nggaatcttg	840
gttnaaccct	aagncctt					858

<210> 1658

<211> 704

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (704)

<223> n = A,T,C or G

<400> 1658

ttgaatcccn	natacaagct	cttgttcttt	ttgcaggatc	cctcgattcg	caccactctt	60
gtgcagtcac	cctaaatata	ggttcagagc	atctcctgtg	aatgacatat	tttgtcaatc	120
actgccagga	tctccattta	agccctcac	cctgaggcag	ctggagcagc	aggaagaaat	180
actaaggggtg	ccttttagga	gaaataaaga	gggtgtcggt	tgggtgaaat	atgaattctg	240
ctatggcaaa	catgtacatc	aataccatga	ggacaaggat	agtgggaaaa	cctctgtggt	300

tgctgggaca	tggaaccaag	aagagcatat	tgaatgggct	aagaagaata	ctgctagagc	360
ttatcatctt	caagacgatg	gtacccagac	agtcaggatg	gtgtcacatt	tttatggaaa	420
tgagatatt	tgtgatataa	ctgacaaacc	aagacagggtg	actgtaaaac	taaagtgcaa	480
agaatcagat	tcacctcatg	ctgggtactgt	atatatgcta	gagcctcact	cctgtcaata	540
tattcttggg	gttgaatctc	cagtgatctg	taaaatctta	gacnagcca	gattgaaaat	600
gggctttctt	tctcttcccc	aactaaaagg	atattaaagt	tagggggaaa	gaaaaaanca	660
tttgaagtca	tgattaatth	ctgtcccact	gngtctcatn	ataa		704

<210> 1659

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1659

ttgnantccc	natacaagct	acttgttctt	tttgcaggat	cccatcgatt	cgcagaaatc	60
agcatgcatg	aattaatcga	aatacaatgc	atattaaaca	atgcaattac	tatagtctaa	120
atcaccaaac	tgataaccca	tacaaaagta	gctcttacaa	ctttttttga	gaatatttcc	180
cctaaaaaat	tccagtgtac	atccccacct	acaaaactag	attatthttac	tagtatcatc	240
ttctctttac	ccctcttctc	cccaccaaca	ctccctccaa	cacacacaca	cttctcctta	300
agagaaacgg	cttcctcaag	aaattatctg	atgggttcagt	agcagttgga	gttttacaca	360
aactatgttg	tgattgggca	aggcagacta	ccagatctgg	gattcagtag	accattcctt	420
actgtcagat	tatcttctaa	gtgactgtct	ttagagaaac	aacacagatt	tgctcaaga	480
gattacaaat	gtggtaggcc	taccttaaca	gcaactagtt	ttttttaaga	aacacggctc	540
cactgtcgcc	caggcaggaa	cacaatggca	tgattatgct	caactgcact	caaactncta	600
agttcaagtg	atccttctgc	ctcagctnct	ggaatagctc	aaactatagg	catatgccac	660
catacccaag	ctaggttttt	cggttttttg	gttttttaaa			700

<210> 1660

<211> 697

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(697)

<223> n = A,T,C or G

<400> 1660

gaattcanat	acaagctact	tgttcttttt	gcaggatccc	atcgattcga	attcggcacg	60
agaaaagaaa	acgagaccaa	gtaataaagc	agaaggaaga	agaagcacag	aagaagaaat	120
ctgacttgga	aatagagcta	ttaaaacggc	agcagaagtt	ggagcagctt	gaacttgaga	180
agcagaaatt	gcaagaagag	caagaaaatg	cccccgagtt	tgtgaagggtg	aaaggcaatc	240
tcaggagaaac	aggccaagaa	gtcgcccaag	cccaggagtc	ctaggctgag	gctgcaccaa	300
gacctcgtgt	gtcaccacac	agagctgtct	gtgggtgcct	tctcaatctc	agggcaaaag	360
cccttgagga	atattccagc	cagcagagaa	ttttgacttg	cagtaggatt	tggtttgatt	420
ttcctacgat	ctgggtggat	gccttgccctg	tgacagttgc	agttcctatt	cgccaaatga	480
agggcagtg	cccgcacgta	agttggaatg	atggacctgt	gttcagagac	ttaacagacc	540
aacaagcaaa	acaagtgaga	acaggaaaaa	ggaagangac	actggaatca	attcttgaga	600
gttgcaactac	ttggtttttc	ttccattcca	agtttcgtgg	gacccaganc	cttttttctt	660
ttaaaagcta	aaaaaacaag	tgtttaattc	ctcttttt			697

<210> 1661
 <211> 698
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(698)
 <223> n = A,T,C or G

<400> 1661
 ttgantncat atacaagcta cttgttcttt ttgcaggatc ccatcgatc gaattcggca 60
 cgaggcaccc agccggcttc atctcttctt gaaatcactt ttataccatt ctatgtggtt 120
 ctccaccatga gcttgagtgg tgggctaaag tgcctctccc tgctttcagc ttctgctgg 180
 gaactcactc tctcaagtcc cttccagcac caccatag agttcccatc actccacact 240
 gtccagtgc aactcccaac atggaagatc tgctagtctt acaggggtgt ctctggctgc 300
 cccagtaaca tgtgttttta aatttttcac atgcatgttt gaccccgact ccccgaaagc 360
 aggtactgta actagcagtgc tcatttaaga aaaagccctt taacctctct ttgccaaagg 420
 attcttatca gcaaaacagt gatgaaacaa caatcccata acagctagct ggctaccttc 480
 tcaagcactt attaaatgag gcataatgat tttgcttaat cctcaatcct gagagggtggg 540
 cgatccctgt ggtgatgagg aaaccgaggc ttgggggtta atggcttgcc tagattcaca 600
 ctgctagcca aggaatgaac tgggaattta caccctgacc ctgactgctt ttcacatttt 660
 ctacacagcc ttttcaagat cctgcccaatt ctaaaaaa 698

<210> 1662
 <211> 705
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(705)
 <223> n = A,T,C or G

<400> 1662
 ttcanatata agctacttgt tctttttgca gggatcccat cgattcgaat tcggcacgag 60
 ccgactagta acataaatca tagcttccaa agtatattgtt tacagaatac cacagtgcact 120
 aattaccaga cttttcttat tctctctgag caaaggaacc tcatgggaga aaaaaaatat 180
 aggtcatttt taatgtaagg gagttgctag gattggagggt taagacaact atttaaactt 240
 cataaaagga aaaacaaaag acctcaaaaa gtattttcta aaatagagaa aggtgcaaatt 300
 cttcttatca gaaacgcatt ataaatagaa aagaaactct taaaagagat tcttcaaattg 360
 tgacaaaaag ctcttggttt cctgaaaatg tcaaaaacaa aaacaaatat tgacaatact 420
 aaatatccaa cagacagggg aagaacttca cttagaagca aatttccatt taggttaattt 480
 atgggtgcttc tgtgcaaaaa gttgctttac actgtgtagt cgctgaagac actccagaat 540
 tgctagacct tcacaggaaa aattttaaag gtcaggggtt ttttttctt tcccttagtt 600
 agcacagcca ctcanggggc agccagttct ctaacgtctg agtaaaaccc ctacacangg 660
 gcttcatttc cagtgccac gtcattggct tttgcagact atctt 705

<210> 1663
 <211> 698
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(698)

<223> n = A,T,C or G

<400> 1663

attcanatac aagctacttg ttctttttgc aggatcccat cgattcgaat tcggcacgag	60
atttcccttt gccctgccac ttccaccata gggccttctt acctggcaga ggagtgcctt	120
agataccaga agattggcag ggaagaaggg cagccacttc ctggttacca tggagaagct	180
tgatcatgtc caagcctgtg ctacttgtc cagtagcaac aatgggaaac tgtattattt	240
ggggtagggg tagaaccctg agggcataaa gctaagaatt ccaggctgca tctggcagaa	300
tcggtttggc aggggttcag ctgctccctg ggaggccttg gcatagccag gctgctccag	360
cactgtgagc tgggagtctc ctcttgacaga agatgggtgt gaacctgaca cgcagcaaca	420
aggagacggg gaagcacagc gacgtcctgt ttctggctgt gaagccacat atcatcccct	480
tcatectggg tgagattggg gccgacgtgc aagccagaca catcgtggtc tctgtgtcng	540
ctggtgtcac catcagctct gtggaagaag aagcttgatg gcattccagc cagcccccaa	600
agtgattcgc ttgcattgac caacacacct gtnggtagtg caaggaaggc gcttcagtgt	660
acccacacggg caccatgcc ctggtgggan gatgggcn	698

<210> 1664

<211> 760

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(760)

<223> n = A,T,C or G

<400> 1664

ttgaaatnca nanacaagct acttgttctt ttgacaggga tcccatcgat tcgaattcgg	60
cacgagcttg tgttttctta actccccag taatagacct aactgatttt gttttgagaa	120
gttcggtatt agcttaagtt ttgttcgtt tatagaatat caaaatggta tcaaaactgt	180
ttaaaaggtc aatgtacatc ttagcagag ctttttactc ttttcttctt cttctttctc	240
tttgtgtata tacattgttt atagtgtat tcagtataca tgaaattttg tgtctttttt	300
actcctctct gtataaactt tctgtgctgc aacaatgtaa attacattca ggttgtttcc	360
agtttttttt ttactctgct gtagcgaaca aaaaaacaaa aattagccag gcgttatgcc	420
atgtgcctgt taatcccagg tacttgggag gctgaggcgg gtggatcatg aggtcaggag	480
acaagaccat tctggctaac acnggtgaaa ccccgctctc actnaaaaat acaaaaacca	540
aaatttttagc cgggntatg ggtggggggg gccaccttnt tagnccecca ncttacctca	600
aggaanggct tgaagggccg gggaanaaat ggggcattga aacccccggg gaccgttggg	660
aanccttggc caaatggaag cccgaanaaa tccgcgnccc acntggcacc tcccgaagcc	720
ctggaaccga acaggaaatg gaaaacctgg cantctttca	760

<210> 1665

<211> 689

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(689)

<223> n = A,T,C or G

<400> 1665

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gttcaactggc acacaatcac agtgtcttga tagtttttct ggttttgaat ttctggaagg	120
gaaatcctcc ttctgaggag acttcacttt ccgtcagtaa tgggggaaaac tgtttccctc	180
gggatagcag aggtcathtt aaaagagaac actcagcaga aatgaaaatc caaacaactg	240


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atttttaatt cgtgtctctt tgttcagtga tgttggctct gattctgcct atgagacggg 300
aataaaagaga gatttcggga aaagtgtgaa gccaaacatg ggtgctatct aaataaccacc 360
ctcataatctt gaaaaactta cctactgggg actgtgtctca ctacctgggt gacaggatca 420
tacgtacccc aaacctcaac atcacacagt atactcagct aacaaacctg cccatgtggt 480
tcctgaatctt aaaataaaaa tcgaataaat ttttttaaaa aagaaaaaga caatagtatt 540
acccatggga caaaatttgt actattagca agaatacttt tgtgtctcat ttagaatacaa 600
tttggaacttt tgttcagtg tttaaacttt gacaaaaatg gttttgaata gatctttata 660
acctggatgc cataaatacc aagattctc 689

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<210> 1666
<211> 686
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1) ... (686)
<223> n = A,T,C or G

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<400> 1666
tacnatacan ctacttggtc tttttgcagg atcccatcga ttcgaattcg gcacgagtat 60
aagattactt tcatgttgga tagtgctgct atgataacag tacatactcc aaggagagga 120
ttaatagacg taaagcctct tgggtgtata tggggaaagt tttcggagtt ttacagcaag 180
aaaaacacca ttatgtttga tgacataggg agaaatcttc taatgaaccc acagaatgga 240
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aaattaactc agtacctcaa ggagatagca aaattagatg actttttgga tctaaatcac 360
aaatattggg aaagatatct ctcaaagaag caaggacagt agttacaagt tatactggca 420
gttattgaag atacttaaga tccaagaact tcttgctttt atgctagaaa tcattatgat 480
agtgtcggac actgaagcaa ataccatact gcttatactt ggtcttccag ttttttgtaa 540
atttaatttt atattttttg aagatgatag caatatgcta aaaaatgctt gtccccata 600
tgaatattct gttacgcttg gaaaaatatt ttctncagcg ttgggttact gaccacccca 660
ccttccacca cacacacaca cact 686

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<210> 1667
<211> 684
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1) ... (684)
<223> n = A,T,C or G

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<400> 1667
canatacaac tacttggtct ttttgcagga tcccatcgat tcgaattcgg cacgaggcac 60
tgtcatgtct ctacttggtg aatacacatt gaacaactgg ttggcaacgg taacgttggg 120
ccaggcgggc atgcacgcaa catactacca caaagccagt gaccagctgc aggtgggtgt 180
ggagtgtgag gccagcacia ggatgcagga caccagcgtc tccttcgggt accagctgga 240
cctgcccagg gccaacctcc tcttcaaagg ctctgtggat agcaactgga tcgtgggtgc 300
cacgctggag aagaagctcc caccctgcc cctgacactg gcccttgggg ccttctgaa 360
tcaccgcaag aacaagtctt agtgtggctt tggcctcacc atcggtgag ccctcctggc 420
ccccgccttc cacgcccttc cgattccacc tccacctcca cctccccctg ccacagaggg 480
gagacctgag cccccctccc ttccctcccc ccttgggggt cgggggggga cattggaaaag 540
gagggacccc gccaccccag cagctgagga ggggattctg gaactgaatg gcgcttcggg 600
attctgagta gcagggggca gcatgcccac gggcctgggg tccccgggag ggattccgga 660
attgaggggc acgcaggaat ctgg 684

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<210> 1668
 <211> 696
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(696)
 <223> n = A,T,C or G

<400> 1668
 canatacaag ctacttggtc tttttgcagg atcccatcga ttcgaattcg gcacgagcag 60
 caactcagga ggctgaggaa ggagaatcac ttgaacccgg gaggtggagg ttgcagtgag 120
 ccgagatcgc cccactgtac tccagcctgg gtgacagagc aagactctgt ctcaaaaaaa 180
 aaaaaaatgc cactggagag ctttgaggag aggatcagtc tggctactgg gttgggaatt 240
 aatcatagca ggcaaaggca aaagaagtga ggttagttag gaggctttac aacaaccag 300
 atgagagatg ggaggtttta gccagggaga tggagatggt gagagagtag ctggactcag 360
 gattgtgaca gtggactgaa ggaaaagcag gttttggggg aagattgcat ttctcccttc 420
 aacttcagtt acgtagatca cccatatgcc acacaactgc aactctgtaa cagccaattt 480
 ttacgtttctt ccttatctaa gccatcctgt aggccatagg aattaaaact aggttggatc 540
 aaggaaaagt gaatgctaga tccatacaaa actatttggga tatttgccct tgtattttat 600
 tggttttgaa attatttttt aatgggttca ataaaactct tactngaact tncaaaaaaa 660
 aaaaaaaaaa aaaaaaaact tcgagcctnt tananc 696

<210> 1669
 <211> 856
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(856)
 <223> n = A,T,C or G

<400> 1669
 tnattnnnnn aactnttggt ctttttgcag gaccctcgat tcgcgagcca caagctgcac 60
 tgtgaacctg ggcactccgc gccgatgcca ccggcctgtg ggtctctgaa gggacccccc 120
 ccaatcggac tgccaaattc tccggtttgc cccgggatat tatagaaaat tatttgtatg 180
 aataatgaaa ataaacacac cctcgtggca nanaaaanan nnnnnnnnnn nnnnnnnnnn 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn cctcgccctt taaaactata gngagtcntn 300
 ttacgtaaat ccaaacatga taanatncat tgatgagttt ggacaaacca caactagaat 360
 gcagngaaaa aaatgcttta tttggnaaat ttgggagcta ttgctttatt tagnaaccatt 420
 ataagntgca ataaacaagt taacaacaac aattgcnttc attttatggt tcaggttcag 480
 ggggaggtgt ggaaggtttt tnaattcgng gccgcggcnc caatgcattg ggcccgtgnc 540
 ccactttttt ttccctttta tgagggttaa tttgcncccc ttgggcgnaa tcatgggnca 600
 taactgtttc ctggggngaa aatttgttnt tccctttcan aatttcccc aaaaaanaat 660
 accnaaaccg ggggaaacct tnaaaagtgg taaaaanccc tggggggggg ncccttaaat 720
 ggagngggaa ncctnaacct cnacaattta aatttggggg tttgggccct tnaaattggn 780
 ccccggtttt tccnanancn ggggaaaaaa cccttttttn gggnccccaa ntttggannt 840
 tnaaaannaa atccgn 856

<210> 1670
 <211> 802
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(802)
 <223> n = A,T,C or G

<400> 1670
 gcnttttgaat ncatatacaa gctacttggt ctttttgcag gatcccatc ngattcgtct 60
 tggcccatgt gggtgaaact tctgctttaa ctaaaattgc aaaaattanc cgggtgtgggt 120
 ggcacatgac tgtatccac tactcaggag actgagcagg agaatactc aacctgggag 180
 gtggaggttg tagtgagctg agatcgggcc attgcactcc agcctagcta cagagcgaaa 240
 gtgtctcaaa aaataaatac ataaatagag acgggggtctt actgtgttgc ccagactggt 300
 ctcaaatttc tggactcaaa gtagtcctct aacctcgtcc tcccaaagta ctgggattac 360
 agtcatgggc cactgcaccc ggcctatatt cactgtagtt atttaaaaat ataagccggg 420
 catggtgtct cactgcctgt atcccagcac ttggggaggc caangcgggc aaatcacctg 480
 aggtcgggag ttgtanacca gcctggccaa catggtgcaa ccccgctctt taccaaaaaa 540
 tacaaaaaat taccagccg tgggtggcgtg cncctgtaat tccaagcttc cccaagaagg 600
 cttgangcag gaaaaatcgc ttggaacccc ggtgggcaaa aagcttgcn nttancccaa 660
 naattacgcc ccacttgac ttccaancct taaggtggac aanaancaan gaactnnttt 720
 tcaaaaaaaa aaaaaaaaaa aaaaaactnc gnngcccttt taaaaattat tngggnagg 780
 nngnattnac cttnanatcc cg 802

<210> 1671
 <211> 988
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(988)
 <223> n = A,T,C or G

<400> 1671
 tttgnannnn nnagggnnttg gatcccttgc aggacccatc nntnecggcn nattanctn 60
 cntggtgctt tctgtgngct ttenggttcn cgnancctcg cttttttgna tgtccnggg 120
 tgggcctgcc ccngagggcc nacngnntn nggncncnat ttattnttg nnnanccant 180
 atcttgnncc nacagntgct ttacagtct atntnttcg cgcnnngngc gtatnagccn 240
 cncctnttac cnggggantt nctcnnccnc nnnntnttgt ttctntntn tteccccnt 300
 tggggggaag ananggggnn gcnnncaaag gnntngtnac nacaagnnct tgnactcccg 360
 tacnnacggg gaccgcccc gttgggaaga ccttttncnn nnnccgataa naggtcncnn 420
 ctggatcggt tactctcctn gtncacttg ncgnetcaaa ccgtcattgg cntgttggga 480
 tcacctnctn naacgancca taaananaaa cccccggggg nnnnaatacc tgetngngna 540
 tngtangnnt cncagcncnt ttaacntncc ntctgaagga angattnaag ggancgggca 600
 atccttgtn agngggnttn ntngccttg ggggcaancc aagggccacc ttgntntnt 660
 tccttcacgg ccnntggggc cnnnttccga atggccgggn ngtngggntc nggatnctc 720
 ccnangcttg gnctagncat taannccan nccancnng ntgccccnt tntaancata 780
 ntcncnttc ttgannggg anntttgcct tancangcc tnnnncccc tannagtttc 840
 aaacnntnat gangnaaacc tcggtagttn aancntngtn gttntcttc cttngngtgc 900
 cantcnggg annntccatc angtcgctgt nntcnnant acttgaana ngggnatgg 960
 ttcaanttna gggangccaa nngtnann 988

<210> 1672
 <211> 801
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(801)
 <223> n = A,T,C or G

<400> 1672
 gttgantaca aatacaagct acttggtctt tttgcaggat cccatcgatt cgaattcggc 60
 acgagggtgac ttccaagccc cccgtcctgg cagcgaggag ggccctggac gctctttcca 120
 caccggtcaa gtcaacaaga gaaaacaggg aancaaangg aacaggcatc atcaaactcc 180
 agtttggaaa tctgtcttca tcaaatcca aacaggcatc cttaatcca gcagcaagct 240
 tacagcccaa catgaactcc agtgacccag acctggctgt ggtcaaaccc acccggccca 300
 actcactccc cccgaatcca agcccaactt caccctctc gccatcttgg cccatgttct 360
 cggcgccatc cagccctatg cccacctcat ccacgtccag cgactcatcc cccgtcagg 420
 ctgttgcagg gtttgttgg tttctgttg ctgccgttgt tctctcattg gctcggctct 480
 ctcttcattg agtggtcagc ctctctgtca actttgttcc ctgccatcca aacctgcact 540
 tgctttttga caggccagaa gaagcggtag atgaagactc cagcacaccg ttccggaagg 600
 caaaaagcct tgtattgcct gcaaaagctg aacatgactt aanaactttc gttcacaagc 660
 aggacccggg ctctgataat gcaagaagtg gtcttcaag ctttncaaaa ggccattctt 720
 taactggcca caaccgnaag ctttcngggc acctttcaac ctttttaaac ttggggcact 780
 ttccactgg ggccggnctg g 801

<210> 1673
 <211> 1207
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1207)
 <223> n = A,T,C or G

<400> 1673
 ttgaancntn anctcttgtt ctttttgcag gaccctcgat tgaattcgg cagagtcag 60
 gctgggaggg gcttcttttt tttggtgggg gagaaccant nccacatacc cagtaggtaa 120
 taaggtgtcc tgcnnnnggt gaangtcngc nagntaannn ggggccgtct cnnnggcccg 180
 gngacgaaca cgggggnccn tttgttnnnn gggggngggg gggggngna ntttnancnn 240
 ncnggggggt tngggaattt tanaaaaaat attacttgg ntnttcaana acacttccag 300
 cctttcttgg atcctggaag ttattaagg ntngnaaatt tnggattgg nanggggggc 360
 cantangccc ttanggtngn aagaaacaag gaagccttcg gccntttcc cttacccaan 420
 gggggaaggg gaannaaat gggtttngcc caaaaaacc cgggtttttt tttcccccc 480
 tttttnnccc caaaancccc ttggggggga anccttaatt tanttgaaa ttttttctt 540
 ttttaanccc cccccccca anggggggaa attttaantt ggaatttan gganaaaaaa 600
 nttaanttgg gnaaaaggcc cccccaacc ccaaaaagg ttncctttaa agaaaacct 660
 tttgggnaat tngggggtng ggttttttcc naaaagngaa aaantttaaa aaannttcaa 720
 attttaccct ttgggaaatt ttgggcccc tttcccccc ttaaaagggt nccccnttt 780
 ggggttcccc caaagnccnt ttnaaaccct tcnaaaagnc cttngggtnt tttaaattaa 840
 aaaatttttg gaaaaagggg gggaantttt caaaaaccn aaaaaaatt ttanttcnt 900
 cnttnaancc canttccaag ggggtggcct taagnaacca attgggntt aaggaaaatc 960
 cttccacccc attgggtttt taaatnggac ttgggttaag aataagcctt antttaagg 1020
 gagggtaggg aataaaatna aaatggaatg cctaanaagg ccaaccangg tctaagggtt 1080
 taaagggtt naaggnctgg ggaattgga atctcaccat ggcttccctt nctttncttg 1140
 gggcctggac cactgangac aatgcggcta tacaanaagg ccattggcngt cantngccac 1200
 aaaaaag 1207

<210> 1674
 <211> 1006
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1006)

<223> n = A,T,C or G

<400> 1674

gtttgactnc	cgtatacaag	ctacttggtc	tttttgagg	atccccatcga	ttcgattgtg	60
cacctctaac	ccctcttcta	gcacccttaa	ttgataccat	tcaagtgccca	ataattcttc	120
caaaccaggg	ttgagggaact	tttgaatttg	ctgagaaatg	aaattctgca	tatctttgct	180
tgctactaat	gcctgtctgc	tctctgcctc	accttcttgt	ccattgggtat	atgtttggca	240
ctctgagagt	atcagcatca	attcattcat	atctccaata	ctctttcatt	aagtctcagg	300
ttgcttgcca	gcacagacaa	ggtactgcc	aaagaagttc	tttggnaaac	agncaagatn	360
tttactatac	cacnaanaac	cttaacattc	ttntttntga	ancttattaa	caanttttna	420
aaatttanan	ancnntttnt	ntntttcttn	cccnagnngn	cctttttntn	tatntntnnt	480
ttttcnnttt	tatntntntn	ntncatcttc	cnnttttnnt	cntannntat	ctannnttca	540
ttctcctttc	ncctttttntn	tnntntntnn	tnatctnnnt	ncnattncn	ttntannntt	600
ctctttacna	ntntntntnn	ncctntctnt	nnantanncn	ccnnntatct	ncnannnnnn	660
ccentntntn	ntntntntnt	ttctctctat	nacnnnanna	tctntctctt	ctcccnntng	720
ntacanttnc	cccctnnacc	ncctntntct	tttacncccn	annaaannan	aaacctctac	780
cttgcgggng	ggatggacca	ctatccctcn	ngngnttttn	ttttaataac	caacancctn	840
ttttggtccc	nctnttnnan	aaagggggac	ncaagnnaat	nncctttcca	aaaancctca	900
aatttggggn	aatnggnctt	tntcncattt	ccttttttta	aaaaaaaaacc	anaaaaaccc	960
nttttggggg	ctentttnt	gtaaaaaaaa	ccccccancc	cangcc		1006

<210> 1675

<211> 1078

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1078)

<223> n = A,T,C or G

<400> 1675

tnnnnnnnnn	nnnnnnnnnn	tnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	60
ggngngggcn	ntttggannt	gnnacctttt	gnactcntgc	agnncccagn	aancgaannt	120
gngacgaggc	ncttntcatc	accagcgagg	gagnttgctg	tgaacttttt	naaccgggtg	180
actgncatgc	atgaagagcc	cctgcccaca	catttncctt	tcntttatgg	atgccngcca	240
gggntnggag	catggctggg	gaaggngctg	gccncccnng	cntgtncagn	tactacagtc	300
nnnggatcagn	annaacntgg	ntgtgntnng	agcagcanta	canaanaanc	ctggacctgc	360
acactaatgc	cnctgcacaa	cnttcttgga	anaaaaaacn	tgcttgnggg	aagncaanag	420
gacnntnngc	tctntcttac	ttttgcagcc	tnncttgccg	ggggcacaga	atttggcctn	480
ttatncatca	angagcnant	aggntagtcn	tggatttccc	angacacggg	ntaaccagg	540
ggaaaaangg	tttggggntt	gggcccatat	cccntgggaa	agngaatttc	ttttgctccc	600
ctaaagcaan	atatatacnc	ggggngtttt	ngggnatatt	tccaantaag	taanccccan	660
tccangttca	cgnaaggggc	nctttggggg	taaaaggcca	taaaaggggg	naccctctaa	720
accattggtc	acttgnggna	tgggggncaa	ntccccctan	gggctttatc	ttnangngnc	780
ccacgnannc	cttgnaaaca	aagggaangg	aggggnaang	acgcantgaa	gggntttgaa	840
agttgtcccc	ggaanttgcc	nanccaggta	tngaaccntt	gcactaggna	gcctatgggc	900
naaattggcc	aggnttnttc	canacgaang	gaggcnnaaa	aacntttgan	ccaannnaaa	960
ttnttctttt	gggtgaagaa	ngaanangat	gancatgacg	gccttgnttg	nggggncana	1020
agcangaaan	aactttannt	ntnccccaan	aancagngcn	ttggggggcg	aaannnnn	1078

<210> 1676
 <211> 758
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(758)
 <223> n = A,T,C or G

<400> 1676
 gttgatnngn tcaagctctt gttctttttg caggatccct cgattcgaat cggcacgagc 60
 tgcaaagaaa nggaagattt tcttttttac aacctagatt ttagtttttag agganggaaa 120
 tagcttgaaa aactaaattg ctttggtgaa atgtcctgta cagaacagta ccttggcatt 180
 cagcagctgt aattggggaa cattaaaaca gtaactgaca tccagttaaa gccacgatcg 240
 tcagcaattc tcctttttta atttctgata tttaaagttt ttttccagtc tacaccaggc 300
 ctctccaagg agacagttca ttatttagga gtgaatgtgt tcctcttgca atattatcag 360
 tacctgcatg acttggtaaa ttcattttat aaaaatagtg tttttttttt taatttcagt 420
 tcattgactc tataactgca gaaattagat aatgttttat aaaataaatt tgccacataa 480
 tatgggatgc aataaccaac aaagctgcta agtgccaaac tgttatttta ctatatataa 540
 atattaaaat attgtgttga agtataggga tgtatttaat tttactatgc tcccaacatt 600
 aatcatggac tcttttgtaa attacagtta tttcagtatt gtaaaataaa tgttggactc 660
 atttcaaaaa aaaaaaaaaa aaaaaaaaac cncngcctct aaaaactttt gggagtcggt 720
 tttacntaga atcnacatg gataagaaac atttggng 758

<210> 1677
 <211> 779
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(779)
 <223> n = A,T,C or G

<400> 1677
 ttaccgcttt tgttcttttt gcngatccct ctttcgatta gggctgctgt gatattgtca 60
 gcttgcatca acaattagaa gatagagaac ccgccatcag ggtgtctacc taactttctca 120
 gggactacac ttggtagttt tcccccttn aagaactggg nnattgaaac atttgtgggg 180
 ttcngaatt gcctttacag gggttttttn cttttactgg tttgctctgg ggtnttataa 240
 tatattgntt gactggctgg tattatcgaa ctagtagcaa taattatatg taaaaatggc 300
 caagcatata aggtaaaact atataagtac cctaccttat ctgnatttca atttttttaa 360
 actgcttttc caaatatgag actatgttaa agacactaaa aaaaaaaaaa aaaaactcga 420
 gctctagaa ctataggagt cgtattacgt agatccagac atgataagat acattgatga 480
 gtttggacaa accacaacta gaatgcaggn gaaaaaaatg ctttatttgn ggaaatttgg 540
 gatgctattg ctttatttgg aaccatttat aagcctgcaa taaacaaggt ttaccaccan 600
 caattgcctt tcatttttat ggtttcangg ttcaaggggg gaagggtggt gggaaggntt 660
 tttttaaatt tcgnggggcc gnggggggcc caatggcatt tggggccccc ggncccccaa 720
 ccttttnggt tcccccttta aggggagggg gttnaattgg cgcccccttn gggggtaan 779

<210> 1678
 <211> 1079
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(1079)
 <223> n = A,T,C or G

<400> 1678

gnnnnnnnnnn	annnanannnn	nnnnnnngnaa	nnnnnnnnnn	nnnnngnnann	nnnnnnnnnan	60
nngnnaannnn	aaanannncg	nngncnnnnna	ntannnnnnnn	cnnccecgngn	naannnaagg	120
ngnnnncccn	nnnttttttt	ngggaaaaac	ccctnnnnnn	nngnccnatn	ttnttcgggn	180
gaacagcctc	ctntgggcan	gggnaaacc	cccataccgt	tggngtaana	anaaaacnc	240
cnncgggncc	aaccggcaaa	gggccaacca	accaaccaac	cggnccnanc	naccatgtta	300
ccccgcaana	ttntggtaac	naggnaacnt	caaacnattt	actaccacca	ggaaccatng	360
gatgggaaca	aacctanaaa	aagcctnggg	gnacttcttn	ccnctcctg	tatnggnngg	420
aattattngt	nggggggngt	canaanaaaa	angtgctngg	ggcncaagag	gcnagnnggt	480
tganangtnn	taccnnccag	aatnggantg	ggaaatgnng	gccccctcca	aaaananann	540
cagnngcatg	cnagagacag	ccattaatgc	acgagaatac	tacctaggag	ctctgnctca	600
cangaagcgg	nggggctgna	aacagccctt	gcaggaggct	tgncctgcac	gcnantngat	660
cgcccttgac	attggtcaac	anngcccncc	ncttggtggt	cccaggcctn	ccaacatctt	720
ctcaangcnc	tcataaggca	ctatgtgang	agctntgaga	gganatacaa	ttnncttagg	780
ggcgggagcc	cttananca	naantnccan	gngatggtta	ncccccat	angtaatgnc	840
ctctatgtgn	agccccaggc	nnnggggatg	naaaaaaac	atctaccagg	gggccaaccc	900
actngnntcn	taaanccaaa	ccccnncttn	gggaaaataa	ngggaaann	cttcgggtta	960
nccnnggnan	taggtgaaaa	nanaccaaac	cnngggcctn	canggnacnc	gncaacnnaa	1020
ggggngngga	anngaaaaca	cgggcgaacg	gggggggtcgn	ngnngggccc	catccnnnn	1079

<210> 1679
 <211> 1035
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1035)
 <223> n = A,T,C or G

<400> 1679

ttnttttncc	cnnnnnnnnn	nnacggancc	ctttaaccct	ttttgggggt	tttncctttt	60
tttttttttg	gcccgaangg	gnantacccc	ccccntttcc	cggnantttt	tcccggnaaa	120
atttttcccg	gggcccgaac	cggnaaagtt	aaaanggggg	gggaattttt	ttgggttggg	180
gggcccattt	anccccattt	tccaaaaagg	ccccccaaaa	ccccccattt	tatttaccca	240
cccattttta	ttgggggaaa	aanggttttc	caccaaaaag	gaaanggaaa	agaaggaaag	300
aaaaaggggg	aaattggggg	gncccgnaaa	angtttttac	tttaaaattt	nggttgggnc	360
ccccccaaac	ttttcccccn	atatngggga	aangaaaatg	ggnctttccc	gnttttccng	420
gaagatttna	ggggnccccc	nttnggntna	nctttnacnc	cccccccgac	ncnttttttt	480
aaaattgtcc	nctctcaaag	acagtagaga	attttgaaac	aagaaaaaag	tgcttgctgt	540
tctagggaac	acatcagact	atcacatatt	ctcacagaaa	cctgtaggca	gaagggagtg	600
gagggatata	tcaaaggcca	attaactgat	ctttgcaaga	ttgcaggaat	cacacagaaa	660
aaggtagtct	tcaataactg	tggttgaaaa	actggatc	acatgcaaaa	gaatgatatg	720
ggacccttat	cttatccatn	cncannnnan	annnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	780
ccnccntntt	aaaactntag	ngnggtccgt	ntttncgtta	gatecngccn	tgataagaat	840
ncnnttgat	ggagtttggg	nccaaccnc	accttaggaa	tgcccggtgn	aaaaaaaatg	900
gcctttnttt	ttggggnaaa	attttgggga	angccttttn	ggcttttant	ttggtaaac	960
nnntttttta	gctggccaat	naaacaagg	tttaaccan	ccanccaant	tgccnttttc	1020
cantttttat	tggtt					1035

<210> 1680
 <211> 781

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(781)
<223> n = A,T,C or G

<400> 1680
agnttgactn cntatacaag ctacttggtc tttttgcagg atccctcgat tcgaattcng 60
cacgagggac attatatgtc tggaattttc acagtaccct ttaattaaag agataticntt 120
aattaaagta gctctgggtga acagcaagga agtgggatga ggaaacagaa attggcagag 180
tccatgatatt ggtccagatt aaactgccat gagtgactgt aacaaaaatt cagaacttat 240
gtaactcaaa taggtatatt tgagaaatag gtcggcacag gtcaagatgt gaaagcccaa 300
taaagctagg cagagacttg gtaagataaa aaaaaagtgc ctcaaatgt tcagtgcagag 360
tagtgccctg atacaggcag tacttaagga aaaatcagta ttttaagggaa gagctgtaaa 420
gggtctccag gagtgggcaa agtatgtttt taattaaaca ttttattttg agatgattgt 480
atattgatct gcagttgtaa agaaataata gaggttccagt gtcccccttc ctgttttctt 540
ccaatggtag cattgtgcaa aactatggcc aatcacacac caggacatta atgttgatgt 600
agtcaatatg tagaacattt ncattcccc aaggntcccc cagtgtctgt cttttttatt 660
ccacaggtca ccttacccca ccctcatttc ttttaacctn ttggcnaccc attnaatctg 720
gcctcccntt tcttaccaat tttggnattg ggaaataatg ggtattntca attgggaatc 780
n 781

<210> 1681
<211> 756
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(756)
<223> n = A,T,C or G

<400> 1681
agnttnacta canatacanc tacttggtct ttttgcagga tcccatcgat tcgaattccg 60
cccgagaaga atgggggtaa tctggatggt atagttttta ggggggtgaa tttagctggt 120
taaatacatag gctgttgaca tttgtgatta cttcattgct aagttttaca tataagagtc 180
ttcatacttt gtttcagga cagaatgatg ctgctgaaat tggaacaaga aatttttagat 240
ttcattggta ataatgagta agtctgaca ttcaacaaga aaagaaattg tcatcaccat 300
tctccttgac ttactaagtt ggtttttctt gtgcttctag gtctccacgt aaaaaattcc 360
ccccaatgac atcttaccat aggatgctat tacacagagt agccgcttac tttggattag 420
accacaatgt tgatcagagt gggaagtctg tcatagtaaa caaaactagc aatacaagaa 480
tgtaagtgtc aagagatgta actacatatt atatatctaa ataataatac tttatctttc 540
tatattacct ttcattctgag ggtttcccat gttttaacag tctaattaaa gttttatgat 600
aaccttatgt gataggactg aaaaacacat ttagtttact gggaaccaaa atgcaacagc 660
ctggactcaa atttggcata tgaatganga ctggggcata tngtaaaaaa aataaaaaat 720
nccgangaca tagtatcagt ggtggtttgg acancc 756

<210> 1682
<211> 841
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1) ... (841)
 <223> n = A,T,C or G

<400> 1682

ttctatnnnn	ctacttggtc	tttttgagg	atcccatcga	ttcgaattcg	gcangaggna	60
ctntncatna	ccaggcgcn	nagttggctg	cnaactngcn	gnaccgngng	tttgnctcn	120
atgaantgcc	nncgcccaga	tncttcacct	tcctnatnga	tgccctgccna	ggactggaac	180
ntgctcnnaa	ngtncctngnc	taccctcgcg	tntacagttt	ttacngncat	gacccaaagt	240
acattgatgn	ggtngagnac	tnganagaga	acctgnactg	cacancaatg	ccctgcagat	300
cctnctggag	naaacctgc	tgcggtgcan	agacctgctc	tcctgcctgc	gnntcctgna	360
ngccgactgn	cttacacngg	cttngatctg	gtcctgggga	tacaaganag	ctgctngcna	420
tcnttgcttt	attatnccca	anattncngg	ntttggtttt	cncagtccat	naaatntatg	480
cctgggaggc	taaatgacct	nacatgctnt	ggcanttagc	cccnggnctt	cctcagggcc	540
atnagtcaa	gaaggnaggn	nggaataccn	ttacngatna	tgtgccncga	ntggntagcn	600
ntgntnattt	ttgattgaag	gancttggac	caatttacng	ctttttcntt	ncggatgaag	660
gatttgaaaa	actttngtac	naanaataac	ttttcntttt	tttgccgaat	gaagggaan	720
aatgnttcaa	attanttaan	ggccttatan	tntgnanngn	gggcttnttg	ccccgnaaca	780
tcctntaaa	cnaggcccn	aanntntcgc	ggggntttan	gggggggttg	naacctgccn	840
n						841

<210> 1683
 <211> 739
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (739)
 <223> n = A,T,C or G

<400> 1683

gtnacacaa	aaagctcttg	tcttttgagg	atcccatcga	cgaattcgca	caagaactgt	60
ccccgttatt	ntgtccatac	agcaccagcc	ccaatggggc	ctgaccacct	ccttccccag	120
cagaaacgcc	ccttcgtggg	tggtgaaaat	actttctatt	ctgggtcaag	caccaagaat	180
gcctttttcc	cttctgcagg	tcctccagtg	attcccccta	agaatgcccc	tttcaaagcc	240
accccccat	cgcagcgcca	cagctccctc	tagagttcct	tcacactcac	atcctctccc	300
gcctcaggta	gaaatatccg	cctgcttagc	tccaggctcc	catgacatac	tccegtacct	360
cctctcacc	caccctcatc	gcggtcagcc	cgtcttcatt	acttctgcca	cagaacagtg	420
tcccgagtg	aggcggtgaa	gccttccttc	ccagaatgtg	cctcatcctc	ttcctatggc	480
gtgaacaact	gttgccctga	cctgcagctt	ctcaccagc	tctcaggcta	tcgtcctgga	540
ctccctaggg	aagaccctgg	acttcactag	ggtgtgactt	cttttctcgt	aggcattcct	600
tctgcgttga	acgcatattc	actattctag	ctgaagggtg	taatatacag	ccacgaaggg	660
ggtcgataca	cacagtgtct	cctgngcngg	gtctcacagt	ctanttgatc	agacaccant	720
cgacaaagat	cacgggggtt					739

<210> 1684
 <211> 1201
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (1201)
 <223> n = A,T,C or G

<400> 1684

```

ttntctccgc tttggtctcn tcategcngn aatnccgnct gtcttngggc cgggcnngtg      60
ctcccgcgcc cttgttatct ggtctcctg aatcttctgn ttttgcccc agtttaaang      120
attcatcccc ggnccggggg ttttntttt ttncnttgg ggggggntn ccccttccc      180
cggggggtgg nttnnngggn ctttccnggg cctccccng gcnaccagg aagaatcccc      240
cttcctttgg gggnggtttt ttcaaagtta cccaccaat nggggggaag aaatnaaaaa      300
gggggggttt tttgggaaan ccattggaan aaatngganc cnaaaaaaac ccaanccan      360
gcccaaangg gaaaaggnaa aaaaaaagt tccnttngg gtccccctt ttttttttc      420
caantttnan cttttaant ccaangnaac cttccaaaa aaattaaaa aatngggttc      480
cntttggggg ggcctttcct ttttnaanc aanttttnan ccnaatttt ccaanttttc      540
ccttttncna aaacccccaa ntttnggggn gggggggtnc cctngggggc cctttttccc      600
ccaacctttt nccccnttt tcnaccttt tcnancccc cnaaaacaa nttggggggc      660
ctttccttng ggcceccnaa aaaaangggg aaaaagnccc ccccgggggg ggnaatcccc      720
tncttttaan ggggncccc attccaaccn ttttttaaaa atnggggaa anccttcctt      780
cntttaancc aaaaccaatt tttnaatncc ccnggggggt ttgggggttt aaaaaagncc      840
ccccttcccn ttaaccaa anccaaattt gcctttccct ccttccttt nggggttttt      900
tttaaataaa ggcctnccc aattctttct tnccctnggc ttttccttt naaaccttng      960
gaatnaaataa ggccaatnac ctttggaat tttttcctn aatttnggt taaattttca      1020
atnaaaaccc caatttttaa ntccccccg ggattaaaa atggacctg gtntttatcc      1080
aaaaccattg gttttggtat ttagaaaaa aangggattt ttggggaagg cctcttcaa      1140
tatggtnaaa ttaaggttct atttaaacca tanttnaat gnggaaaaaa aaaaaaaaaa      1200
a                                                                                   1201

```

```

<210> 1685
<211> 752
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(752)
<223> n = A,T,C or G

```

```

<400> 1685
ngnttgantt cgatacagct cttttctttt tgcaggaccc tcgattccna ttccggcccc      60
aggncggaat cncattggga tccagccttt tctcttatg aatgggtcta ccgccagggtg      120
acgctcaatt gcacgaagct taaccttatt cataagagga aaagacagaa ttcacattgg      180
gatccagttt ctttaatatc tcatgcactt aaacagaaat ttgcatttca agaagatgat      240
tcttttgaga aagagaatag atcttgggaa tcttccccat tttctagtcc agaaacttca      300
aggtttggac atcacatttc acagtcagaa ggacagcgaa ctaaaagaaga aatggtcaac      360
acaaaagctg ttgaccaagg tatcagcaac acaagccttc taactcaag gatttaaact      420
caacttaagg ntgagcttta aacttccaaa acttctcct ggatgataaa ttattcttag      480
aaactgattt ggactgttaa aggctaaaag tagatgtatt taaagactct tcttgacaca      540
ttttgcctac acttgctatg taaatatgta tgctgncat ttttggttcc tttggtcctt      600
tttacgttta tactctggtc ttctgtcata gagcttaaaa taaacattct ttttgnact      660
tggaaaaaaa aaaaaaaaaa aaaaactcga gcctnttaa ctatagtggg gccgtnttnc      720
gtngaancng acctggataa gatccttggt ga                                                                                   752

```

```

<210> 1686
<211> 733
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(733)
<223> n = A,T,C or G

```

<400> 1686
 ntttgatnctg ttctnctctt gttctttttg caggatccca tctgattccgg gaaatatcct 60
 cacccttaaat ccttatcttg cgtttactca gggatatact aggaattatt gtcattcaatt 120
 atcttcaata atagcatttt tgggtcaaat aaatgagtgg taagcttctt cacaatgtga 180
 ccattgaaat tgaatgggtt gttctgtacc tttttgcttc agcaatcaat tttctccatt 240
 aagatgggac ttgtacttta attcagatat ggtacctccc gaatagaaaa taaattatgt 300
 taatatagtt gtaataataa gtgtgtgtta agatttgggtt actataaact actgatttgt 360
 taaaacttga ggaaattacc ataaaatgtc tactgaatca atttttcctg catttagtct 420
 taatgtcaat tctgtcattt cctctttcat taagaaaaat agcagtggcc aggcattggtg 480
 gctcacgcct gtaatcctag cactttggga ggccaaggca ggtggattgc ttgacccaag 540
 agtttgagac tagcctggnc cacatgggaa accctgtctt tatnaaaaat ataaaaattg 600
 gncangtgn gtggcaccac ctgtggacca cttcttggga ngctgagcag gaagatcgct 660
 tgagttcaaa anttcagctg caatgagccg aatcctgccn tgcactccan cttggacaan 720
 tgagacttgc ncn 733

<210> 1687
 <211> 740
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(740)
 <223> n = A,T,C or G

<400> 1687
 agtgnntgat ctntcttctt cttttgcgga tccctcgctt gtctattgat tacatgagtc 60
 tactttataa actggtatag gctatgtaat tagcccgtaa gttacttaaa ggaccagggg 120
 acctaatctt tgtcagtttt ccagtcacat tgggtgccatt caggactcca gctgtttaca 180
 ggaaatatgt acttagcaga atagtatttt tccttgaaaa aaatttgaat tcagcctaaa 240
 tacagaatga atatgaatag tttgtgaaaa gggtagaga acaacaatat tcctatagtt 300
 tctgtattaa tgcagtagag acagaggttc ctaacgcaaa aagaaaacca caagtaaga 360
 ccgtcaaatt agagcttttag aatatgactt gaaaaagtag ggatgggcaa aacagcataa 420
 gaaaatattt tttcttaatg cagatggaca gtgttttctt gttttaaaaa tgttttgcct 480
 atttgccagc attttttgaa gtaatacact gctgctcctg gaagatgtct aacttcattt 540
 tctacaactc ttatgtgatt ttgccattgt cattagatg cattgatttt atttatgang 600
 tgtatgactt taaatatcta aatgctgtat taagtgactt gtttcaaang gaattaaatg 660
 aagtgaatac cgtaaaaaaa aaaaaaaaaa aactcgagcc ctttanaact atagtgaggt 720
 cgtnttacgt aaaatccaga 740

<210> 1688
 <211> 787
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(787)
 <223> n = A,T,C or G

<400> 1688
 gtnattaata aactattgtc tttttgcagg atccatcgat tctgaattcgg gacgaggcca 60
 ngctgtctgc ggatgtcctt gctgctctgg ttcaaggctg gcctccagac ttcacccctt 120
 atcgttccac tggacagaga gacccaggca cagcccccg atggtgacca cagccctggc 180
 aacatgagc agtcctacgt ggggaagcgg tcaaacggg tgggtgcaac cctccagaac 240
 acgccgtccc tgcactccag gcactgggga gctccccagc agcgggaggg acggcagcag 300

```

cagcatcacg aggagctgag tgcgaccccc acccccctgg ggctgcagga gaccatcgca 360
gagtttttgt acattgcccc gccgctgctg cacttgctca gcctgggcct gtggggtcag 420
aggctcgtgga aaccctggct cttggctgggt gttgtggacg tgaccagcct gaaccttctg 480
agtgcacagaa agggcctgac ccggaaggan cggcggganc tgcggcgccn gaccatcctg 540
ctgctctact acttgctgctg ctctccttctc tacgaccgct tcttcgangc caaggatcct 600
ntttcttgtt ncaattgctt ggccgaccaa ccttccttgg cgnntnggcc ttggtcacna 660
agggccgctt cattgggatt tacnttggcc caancttggc caaaaaaaaa ttntaacttt 720
nttacaagtt tngggggcct tgaacaanaa acnttccccg gaaaaaggaa aggggtttttt 780
gggggaa 787

```

<210> 1689

<211> 744

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(744)

<223> n = A,T,C or G

<400> 1689

```

agttttnatat agantacaac tacttgttct ttttgcagga tcccatcgat tcgtccagtc 60
gcaacggccc agaccttgac cttgccactt ccgggcgtgg ggtgaaatct cttgattcct 120
agtctctcga tatggcacct ccgtcagctt ttgccgaggt tccgcagccc acctgtcctg 180
gtcttcaagc tcaactgccga cttcaggagag gatccggacc ccgcaaggt caacctggga 240
gtgggagcat atcgcacgga tgactgccat ccctgggttt tgccagtagt gaagaaagtg 300
gagcagaaga ttgctaata caatagccta aatcacgagt atctgccaat cctgggcctg 360
gctgagttcc ggagctgtgc ttctcgtctt gcccttgggg atgacagccc agcactcaag 420
gagaacgggt aggaggtgtg caatctttgg ggggaacagg tgcacttcga attggagctg 480
atcttctaac gcgttggtac aatggaacaa acaacaagaa cacacctgtc tatgtgtcct 540
caccaacctg ggagaatcac aatgctgtgt tttccgctgc tggttttaaa gacattcggt 600
cctatcgctc tgggatcana naananaaga ttggactcca ggctttctga atgatctgga 660
aaatgcttct gagttcttca ttggtgtcct tcacctgtg cacacaacca actgggattg 720
accaacttcg gacaatggaa acnn 744

```

<210> 1690

<211> 754

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(754)

<223> n = A,T,C or G

<400> 1690

```

ngttatcggt cactcttctg tttgcagatc cctcgattcg aattcgccga cagcaactca 60
ggaggctgag gaatgagaat cacttgaacc cgggaggtgg aggttgagc gagcccgaga 120
tcgccccact gtactccagc ctgggtgaca gagcaagact ctgtctcaaa aaaaaaaaaa 180
atgccactgg agagctttga ggagaggatc agtctggcta ctgggttggg aattaatcat 240
agcaggcaaa ggcaaaagaa gtgaggttag ttaggaggtt ttacaacaac ccagatgaga 300
gatgggaggt ttagaccagg gagatggaga tgttgagaga gtactgtggac tcaggattgt 360
gacagtggac tgaaggaaaa gcaggttttg ggggaagatt gcatttctcc cttcaacttc 420
agttacgtag atcaccata tgccacacaa ctgcaactct gtaacagcca attttagct 480
tcttccttat ctaagccatc ctgtaggcca taggaattaa aactaggttg gatcaaagga 540
aaagtgaatg ctagatccat acaaaactat tttggatatt tgcctttgta ttttattggt 600

```

ttgaaattat	ttttaatggt	tcaataaact	cttactaaga	acttcccaa	aaaaaaaaa	660
aaaaaaaaacc	tcgagccnt	tanaactttt	agtgagtcct	nttacnttaa	atcccaacct	720
tgatnagaat	ccatttgatg	antttttgga	caan			754

<210> 1691
 <211> 830
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(830)
 <223> n = A,T,C or G

<400> 1691						
attcnttnna	nctattgttc	tttttgcaga	tcccatcgat	tcgattcggc	acgaggctga	60
gagacccctt	gctgatgcag	ctctgatgtc	cccggntctg	gnagagnang	ncttttgtgn	120
gntgcnngt	tncgagtacc	agtgaentgg	tggatttggga	actgtatgcc	naatggngtt	180
atccnnggna	ngtttgtctn	ntgtnggtan	angcctnnaa	cncttanntg	ntgggtggag	240
gaactntttt	attnatttgt	acntccgagg	ggncanngan	ccctttanng	aggtgntcan	300
gccacacncn	aaaagntgng	ccnaganaac	cgcgactgnn	tgnctttgct	nctnatctgc	360
tgaanaaaaa	ccaccncttc	tnattggant	tactcngagc	ttccaggata	aagtgcacatc	420
ggcagananc	annntgctgn	tagatngana	catcagtggga	ggacttncan	tgngactttt	480
tnancctgtg	gaancnaaaa	cnaaagctta	ttaagntcct	tggccgaggc	ctttataana	540
tnttaacttt	gnctctantg	tatnttggga	ncntccttna	agctttcnag	ggggggccan	600
gatnnaactn	ntnnnttcnt	ntaaattttn	naaangctng	annnccttaa	tttagatggg	660
aaaaaacnng	naannttggc	ccnantngnc	tttgcctcca	ntcnggttng	ttaaaggcta	720
atgnnccnnc	taaagnccnt	ananggttnt	atancttccc	tggtaacctn	tttgnaaccc	780
atangccttt	nnttatnaaa	aaagcttggg	attangnct	cnttanannn		830

<210> 1692
 <211> 1436
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1436)
 <223> n = A,T,C or G

<400> 1692						
gnngantgag	nagnngngna	ananaanana	ggnggnnncg	gnganganna	nnnnnnannn	60
ggngncgnnn	nnnnnttttg	ggaaaccctt	aaannagntc	ccaangagcn	ngntgagtan	120
angacnnng	aacacaagan	ngagnnntn	ngnagtgaan	gngggnggan	ngaagtga	180
ntntntnggg	nagncnngn	tgncnnggn	gagtannnga	ncgntnngga	nanngnnnaa	240
nntnngtaan	aanggactaa	naangngntg	naannggan	ncggangngn	gagnagagan	300
tgantaanng	ngngggaacn	ggatgcggag	tnccaacan	antattaacn	gnntnngggc	360
gcgggangng	ggncagaagn	ganntggtnc	tannagaggg	cgtaatang	nggagnnnnt	420
gnnananagc	gnggaggggn	aannangtgg	gaatnngagn	ataggggact	ggganngggg	480
cngacaaann	nnnnanannn	gggcgggcn	gnanntgggn	ggaatntggg	gtaatangcn	540
aaggtacaga	ngaaaagacc	ngagtcgtaa	gcngangtgg	ccgggtgatg	tanaacnnat	600
gaggtgggac	cangnangtn	cgatgngng	nncggnata	acagaaggag	cnnnatgggn	660
cangangatn	nangataaag	tngggagtat	nnttnnaggg	ggngacatan	tnntgaaggc	720
acgaataang	gngtagaang	antgtcngcg	nannagnata	nggagggang	cngggnggag	780
ncctgaaagg	ggtnnnngac	gagngacgtg	gcngnaggan	annntaangn	nacggtgggn	840
gcgcgagncg	ngncntgana	agaannngng	cgacnngaga	gtgggnatag	tgtagnagga	900

```

aagagagngg tagcgtnaac aganacgcng nnggatatgg gggcgctcngn gtcnagatan      960
cgacnaticnn ngangnanga gtgggnatca gtnantngna acgatngaga nccanataka      1020
gngggcgana ctggaggggn anannggggn acgtgaagnn tgacgnnggc atnnngctac      1080
acgnngcgcg ggagaagggtg aagggganga nnatgatgac gngnagagan gnnaagagan      1140
tangacagaa cnagncagta gnagaagnag agacgtgaca ntgangtgan ngcgcantnn      1200
gaacgcanac taatggacga ntncataanc nagatngcgt gncgggagna aagaagggtgc      1260
ngggagangg aangangaaa tgggacgtaa taagaagant agaaggggcc annggaagag      1320
acatgngngn gggaggnngn ggatanaggn cggggggcgn gatggccgtn gngaagnngn      1380
aatnactggg gnggnaaana naggacncgc gncncgggga ggggaaacaa nagnga      1436

```

<210> 1693

<211> 767

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(767)

<223> n = A,T,C or G

<400> 1693

```

tntgaancct ttggaactcn tgttcttttt gcaggatccc atcgattcga attcggcacg      60
agggtgggtc atgcctgtag tcccanttat tcaggaggct gaggcatgag aatcgcttga      120
acctgggagt agaggttgca gtgagctgaa attgcaccac tgaactctag cctgggcaac      180
agagtggagc ttggtctcaa aaaaaattaa aaataaaaaa taaattgggg gctgagtgtg      240
gtggctcatg ctttcaatct cagcctccca agtagctggg attataagca tgcgccacca      300
cgctcgcta attttgtact tttagtagag gtgggggttc accatggttg tcaggctggt      360
ttccaactcc tgacctcagg tgatccgcct gcctcagcct cccaaagtgc cagtattaca      420
gacgtgagcc cgctgtgcct ggccgagtaa ttttttttta aaaaaaagc ctctagaact      480
atagtgagtc gtattacgta gatccagaca tgataagata cattgatgag tttggacaaa      540
ccacaactag aatgcagtga aaaaaatgct ttttttgtga aatttgtgat gctattgctt      600
tatttgtacc attataagct gcaataaaca agttaacaac aacaattgca ttcattttat      660
gttcaagttc anggggangt gtgggaggtt ttttaattcg gncgcggcg ccatgctttg      720
ggcccgtncc aacttttgtt ccttttatga nggttaattg cccctn      767

```

<210> 1694

<211> 779

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(779)

<223> n = A,T,C or G

<400> 1694

```

nnnntttnnn atcctntaca actacttggt ctttttgcag gatcccatcg attcgggaga      60
attcccttat tgctcacttc tctgagcttc aagggttctga agcatccaga taagaagttc      120
cgggttggtc aggccttgag ggccaccgtt gttggcccag attcctccaa gacctctta      180
tgtctgtccc tcacaggtcc tcacaagctt gaggaagggg aatggccatg ggccgagtgg      240
tgaaggtgac tcccaacgag gggctgaccg tctccttccc ctttgggaag ataggaacag      300
tcagtatat tccatgagt gactcctact ccgagacgcc cctggaagac ttcgtcccc      360
agaaggttgt cagatgttac atcctgtcca ctgcagacaa cgtattgact ttgtcgctgc      420
gatcatccag acaaaacccg gagacgaaaa gcaaagtaga agatccagag attaactcca      480
tccaggacat taagggaagg cagcttctga ggggctatgt aggttccatc cagccacacg      540
gtgtgttctt tcgccttggc ccctccgttg tgggtttggc tcggtactcc catgtctccc      600

```

```

aacacagccc gtccaagaaa gccctttata acaaacacct ccttgaaggg aactgctcac    660
agccagggtc ctacgcctta ccaccagaag aacctggtag aactggcttt ncttcccgga    720
gacactgggn aagccagacg tgctttctgc ttncttggga agggcaactt acaaagcaa    779

```

```

<210> 1695
<211> 691
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(691)
<223> n = A,T,C or G

```

```

<400> 1695
ctnatngatc actcttgtct ttnagatcca tcatcgaatc gcacagatga catgaaatgg    60
tggccacacc ntgtgctgct atcaagtgat ggctgccaga tctgggcngc ccagacctat    120
ggatggctgc ctcaggtgca gcatcactgc ctggtttgat ctgcctgtaa atcatcctta    180
gctgattgct gaacttgcat tgtgattgcc tgtagagttg ctgagaggct cgaggggtgg    240
gctggtatct cagaaagtgc ctgacacact aaccaagctg agtttcctat gggaaacaatt    300
gaagtaaaact ttttgttctg gtcccttttg gtcgaggagt aacaatacaa atggattttg    360
ggagtgaactc aagaagtga gaaatgcacaa gaatgggatc acaagatgga atttagcaaa    420
ccctancctt gcttggtaaa attttttttt tttttttaaa aatatctgta atgggtactg    480
actttgcttg ctttgaagta gctctttttt tttttttgca gtaactgntt tttaaagtctc    540
tcgtagtggt aaagtatagt gaatctgcta cacaatttct aatttttaaa attgagtatg    600
gtgtagaaca ctaataatca taatcactct aattaatgga atctgaataa aggnacaatt    660
gngtaccttt tgtataaaa aacaaatana a                                691

```

```

<210> 1696
<211> 774
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(774)
<223> n = A,T,C or G

```

```

<400> 1696
cnctttacaa actcttgttc tttttgcagg atcccttcga ttcgaatttc ggcacgagct    60
gcattgtcca ctggacgttt tagtcatatt nngacaccag ttgtttcctc cactcccaga    120
cttaccacat ctgagagaaa ctggtctgtg ggngtcctcc ctggtcctta tagaatggcc    180
cccgtgcttc cnagtgtntc gnagctgncc gtcngatctc taactactt cagtgcngga    240
aaaggcaaga gaaagaccgt gaaagctgtc atcgataggt ttcttcgact tcatttgtggc    300
ctttgggtga ggagaaaggc tggctataag aaaaaattat ggaaaaagac acctgcaagg    360
aagaagcgat tgagggaatt tgtattctgc aataaaaccc agagtaaaact cttagataaa    420
atgacgacgt ccttctggaa gaggcgaaac tggtagcttg atgacctta tcagaagtat    480
catgatcgaa caaacctgaa agtatagatc agaagtttca cttgtttctc agttattgga    540
tatgtatctt tgtgtacata tctttgcaaa aatggataag tacaaaaactt gatgtaaatt    600
gtccaatgaa tatgtnaaca tcnagtgac aacattaaac ttagaaaaagt tttaaaactt    660
aaaaaaaaaa aaaaaaaact cggcctctag actatagtga gtcgtattac gtagatccag    720
acatgataag aatncattga tgagtttggg ncaaaccaca cctagnaatg cang          774

```

```

<210> 1697
<211> 1199
<212> DNA

```

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1199)

<223> n = A,T,C or G

<400> 1697

tttttttaga	gaggggnttt	nttttgnttc	cntnnnnnna	gaggggggna	atngtnnaag	60
nnncggnang	tntgcggggn	nnntnnncta	ngtacccegn	nttcncctta	tttnnttntg	120
anctgcgttn	tttancttac	tttagtnaat	tnnttgnggg	nngcnccttn	gtttttgggn	180
atatttttgn	aatatngctt	ntttttnata	tctgggtacga	nnntttgntt	tnntannta	240
attttttgct	gttgantgta	gnagnttcnc	tgtgtatatc	tnntcngmnt	nanncnttgc	300
ttcggcntta	ngtngnattt	ggtngtttgc	atgtntnnag	atanntatnt	ttctngtcag	360
ggnanttgnt	gntgntgntt	ctgntctntn	tctnttgggg	gtttnnatnt	nagtcttgta	420
ttnttatnnc	tacacnttgg	gtgtatgnac	atatatnnat	gnntnanggt	ggtatnttan	480
tngatntcgt	ctctcggngt	gnatatatag	nnnagtgggt	ngncganntg	ngaaacgtan	540
ggntagcnta	ngtnntcttt	tatnctgtgg	aanngtgtta	ttgtttggct	tactcnatnt	600
gtcctagang	tgngnncata	tggcccata	gtgggnagac	ctcaattctt	anntactnng	660
ngataagat	ngaatanggt	gnggtanant	gtnggnacan	tttgtgnnta	ttttcaantn	720
ggtgngnngg	tgtaangecn	cctttgantt	gtantnttca	atgcgngtgt	atannctngg	780
tncttctgat	atnggggnat	tgggtanagc	tccnctgctg	ntgtgtatat	ngatggnggg	840
gggtcacccgt	aatnttatng	ctntgtnnng	cncatgatg	gagnntggng	taattgnanc	900
gattttnttt	tgnatnttgg	atnngttgng	anctcntggg	gtaggcacnt	tcattgctgc	960
anntcngggg	gtanggangt	gcnnangctc	tggggtntgg	nncgtgancn	cctagngtgg	1020
gtaattggnt	cntnnttga	ttaccattna	atnaatagca	tnggnttnng	ntatnattan	1080
tgnnagaatg	gtgttncctt	gatcntatat	nttaantcnt	tnatttatnt	tgattgtntn	1140
nggganttat	gcttntgggt	gnattgtctt	ntnnnagact	nataatntna	ttgtatttnn	1199

<210> 1698

<211> 783

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(783)

<223> n = A,T,C or G

<400> 1698

agntttnaaa	atatcanata	caagctactt	gttctttttg	ccaggnatcc	cattccgatt	60
cgaatttcgg	caccgaagga	aaccgccc	ctttcttttg	gatcnttggg	anggtgggtg	120
gttaaanggn	aacctcnaag	tttttcaaan	ctttccaaat	tgctcacagc	ttgatccctaa	180
gggnttgaag	ccatcccttg	tcaatatatt	tnggtnggta	tcggtcaact	ggtgccatca	240
ttgccaatgg	ggatcaccaa	agcctgccgg	gagctagaac	tcaagggtgcc	cctggtgggtc	300
cggcttgaag	gaaccaacgt	ccaagaggcc	cagaagatac	tcaacaacag	cggactcccc	360
attacttcag	ccattgacct	ggaggatgca	gccaagaagg	ctgtggccag	tgtggccaag	420
aagtgatgtc	tttgtcctga	tccaatggag	aaagaaaagcc	atttttccgt	aaaaagggat	480
ggttcatcat	tgtgaaagaa	atgggttatct	cattggggaa	gaaaagggga	gggggaangc	540
aagaatcact	tgaaaaatct	taaatctgtg	ttttctggaa	taaagatatc	tagacagcct	600
aaatctgatt	ttggtcttta	tnaaaataat	atcttgnggt	ctcactcttt	tctgtcactg	660
taagcctgcc	aatagggcagt	gtttttcaaa	cttttgggga	gtggtctatg	tngcccaata	720
tttgtgtgta	tagacagaat	ttgaaatcaa	tctgttctnt	acaanaattt	ggtgggcatt	780
aat						783

<210> 1699

<211> 792
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(792)
 <223> n = A,T,C or G

<400> 1699
 tnannccttn aactcttgtc tttttgcagg atcccatcga ttcgaattcg gcacgaggca 60
 ctttccatca ccaggcgcgagg gagtntgctg tgaacttgcg gaaccgggtg tntgccatcc 120
 atgaagtgcc ccgcccana tccttcacct tntcaatga tgcctgccat ggactggagc 180
 angctctgaa ggtgctggcc tacgcctgcg tgtacagntt ctacagccag gacncagagt 240
 acatggatgt ggtggagcag canacanaga acctggagct gcacaccaat gccctgnaga 300
 tcctcctgga ggaaaccctg ctgcggtgca nagacctggc ctccctccctg cgcctctgcg 360
 ggccgactgc cttagcacgg gcatggagct gctncggcg atccannaga ggctgcttgc 420
 catcctgaan cattctgccc aggatttccg ggttggtctt canagtccat cagtagaggc 480
 ctgggaggca aaaggaccca ncatgcctgg cagtcagccc cagccttctc anggccagag 540
 gcnaaatagg aggaggaaga cgatnacgat gatgtgcccc antggcanca ggatgagttt 600
 gatgaggaac tggacaatga cagcttcttc tacgatgant ctgaaaacct gtaccaaaaa 660
 actttcttct tttgnggat gaaggaaaaa aggatgaaaa atganggcct tntgacttga 720
 nggggcaaca tgcaaggaaa acaacctaaa agcaagnccc caaanttcac nggggcttna 780
 ngngggcgng aa 792

<210> 1700
 <211> 769
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(769)
 <223> n = A,T,C or G

<400> 1700
 agntttactt cgatactcct acttgttctt tttgcaggat cccatcgatt cgatttcngc 60
 acgagacatg gngagttatg cntatctgaa attgaaagaa ggcttggttt taaagaggct 120
 tggagcaaac tgcagcagtn ctttccaaag gctcctgagt ttccaagttn caaagagtgg 180
 ctggttcaca gtgcaggatt ttagaaaanga gaaggggaaag aaaatgaanc cttacataag 240
 atgattgcaa acgaaccaa agacttctct cccaaatttg ttccaggata aaaaacagacc 300
 gtgtctcagt aactggccag angatacgga tgtcctctac atcgtgtctc agttcttttg 360
 tagaagagtg gcgggaaatt tgntagaaaag cctacaagat gcagccctgt gtcacagtt 420
 ggggaacagt gctcttttgt gtccccacng gggcctcatg tttacatttg cttccatgac 480
 caaagaagat tctaaacttt atagctctca tatggcccaa tgagtgggca aatgatacaa 540
 aaagctcttt ggtgtggatc atgtaattna aaatcacgag aattggaagt gggagatgtn 600
 aacccttcag aaacacagta ttttcttga gccccaactc tgtccanaat gcnaaanaag 660
 gcttattgtg tcagcagcag anggacctgc ttgaatcact caagcccca tctattgtcc 720
 atnaagttgt ggatnattaa aaaggatgat aaaggattcc gcttccgaa 769

<210> 1701
 <211> 762
 <212> DNA
 <213> Homo sapiens
 <220>

<221> misc_feature
 <222> (1)...(762)
 <223> n = A,T,C or G

<400> 1701

ngttgactnc	gnatactcac	ncttngttgt	ttntgcagga	tcccatcgat	tcgaattcgg	60
cacgaggttc	agtgtctccc	gggattactc	tggctattca	acgggatggn	tntcagcaga	120
attcaagcga	ggctctgggc	agagtggacc	acggggagcc	ccacgaggtg	atatattgtg	180
gtggtgatcc	tagctcctaa	gtggagcttc	tgttctggcc	ttggaagagc	tgtaaatagt	240
ctgcatgtta	ggaatacatt	tatcctttcc	agacttggtg	ctagggatta	aatgaaatgc	300
tctgtttcta	aaacttaate	ttggacccaa	attttaattt	ttgaatgatt	taattttccc	360
tgttactata	taaactgtct	tgaaaactag	aacatattct	cttctcagaa	aaagtctctag	420
ttttcaagac	agttttataat	aaactcttaa	gagaacattn	tnnaaaaaaa	aaaanannna	480
nannnaanna	nnnnaannna	anncctcgac	cctntaaaac	tatagnagat	ccgttttccg	540
tagatccaga	cntgntaaga	tacattgatg	agtttggaca	aacccccaac	tagaatgcng	600
nggaaaaaaa	tgcttttttt	gggaaatttg	ggaagctatt	gctttatttg	gacccttttt	660
aagctggcaa	taaacaagtt	aacaacacca	attgccttcc	attttatgtt	ttcagggttcn	720
gggggngtn	tggaanggt	tttttaattc	ccggnccggg	gc		762

<210> 1702
 <211> 729
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(729)
 <223> n = A,T,C or G

<400> 1702

nttnatncgt	tctccgcttg	ctgentggcg	gaccctcgat	tcgaatcgcc	cagataagaa	60
atgtcttgcc	taagattaaa	tntntatgga	tatttttccct	aagaaangtt	ttagaaaaga	120
ctgatgagtg	tatttctatg	taattggaat	atatttaagt	tcatgccatg	tgtcttggtg	180
tttccttatt	accaaaacgg	tgactgaaga	aacgcttgct	ttagaaatac	attgaattgg	240
ccaggtgtgc	tggctcacac	ctgaaatcac	aacacattgg	gaggccaagg	cagaaggatc	300
acttgagccc	aggagtccga	gcctgggcaa	catagtgaga	ccctgtctct	acaaaaaatt	360
aaaaaattag	ttggccatgg	tagtgggccc	ctgtagtccc	agctgcttgg	ctaagggtgag	420
aggtttgctt	gagcctggga	gggtgaggct	gcggtgagct	atgatagcac	cattgtattc	480
cacctgagta	acagagaaaag	accctgtctc	agaaaaaaa	aatacattga	attgggttccct	540
gatgggaaaag	taaatactct	catgcccagt	taggagtggg	tcagggnntt	taatatgcc	600
ctttttcttt	ctcangcaac	tcatgcngca	attncagaac	cccgaacttc	caccgagtag	660
aggacaggat	gccacacctg	cctgtgtctt	gtgcctggga	gagtgaggatg	aaaccncag	720
acaanctgt						729

<210> 1703
 <211> 745
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(745)
 <223> n = A,T,C or G

<400> 1703

antnnnnant	nntaagtg	gntntannnt	tttanancnn	nmatnanant	nagggggaga	60
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taaatnnann	nccttcnga	atgggtncng	agctaggaaa	aagntccatg	ctatgtgnag	120
aacgaggtgn	gngatgcaga	agcctggntt	aatgggacca	acctagctgg	gcagnntttt	180
gtggaatgag	cagttgnaga	ntgaatatag	ctttgatntt	actntcnac	ctgngttgtn	240
nagcacgcta	cagttgtnga	gatcaacagt	catgtggtgc	acaggtngga	tggtaaattn	300
naganntttg	nttatagagg	gaaagnttcn	gtggttgaga	gttacagacn	tgcnaaggga	360
gtnctgnagn	caaanacctn	gtanattgat	aagccattgc	atcattacca	aaaatatgga	420
ccgcanggaa	agcnataaca	naanttggtg	gaggaactga	annggantac	ttgaggaaaa	480
ggnttggtan	ttgtantana	actgtncacn	attctttttn	tttaagagcn	ttaanaagag	540
gatggtntaa	ancacaatgt	tnttttaagg	gaganttggn	anantaaagn	nnaaacngga	600
aagaagtgg	anagantcat	tttgncnaa	gaaccggaan	acaaaanata	aangntngat	660
ttggtcttac	nnaccnaann	tgagtgagan	aaantcntgg	nanaaagaaa	gaatgatngn	720
ngaaaagcaa	aaaanacaat	ggacn				745

<210> 1704

<211> 670

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(670)

<223> n = A,T,C or G

<400> 1704

cgactggtca	gggttnnnct	caggaagctg	agttccagct	tgtttccttg	gcagcactgc	60
caaagagtta	gaccaagctg	cagcttttga	ggtgaaaggg	gatggaagaa	agtactgtta	120
cttttccact	tagaattttt	ggactttgtt	cttaatgaat	aggttcattt	tcaatttcaa	180
agcaaaagt	taacattttt	gaaatttgc	tcaattctaa	aggccaaact	taaatatgtc	240
tcctcctact	ggggcatgga	gcaagttatt	catcaaatac	agattctcgc	atggaaaaga	300
aagctaggat	agtgtgtcgc	tgctgtctgc	tggcaaagaa	cagctccttt	ctaagcaaca	360
gcctcactct	actagaatag	gtctgagcgc	gccattcat	ggctgattgc	aacttccact	420
gggtgggatt	tcagatctag	aatctgtttt	cagatgcctt	aaagagaaga	catagaaaca	480
cattcttaac	agtttcaggg	gagatagttg	ggatagtttg	tagttttgct	taggttatat	540
gtgtctgttt	tctgcttttg	gtgttaacgg	actaacctt	anttttggtg	gttagagaag	600
tgatggggaa	gaacataaag	aaagctcaga	tgacattgnc	tttgctttaa	atgtgtagtt	660
tttctctcnn						670

<210> 1705

<211> 1228

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1228)

<223> n = A,T,C or G

<400> 1705

gntngacant	tnaataagan	ggggtnatna	nngcatttgn	aannccnatn	ncnnananta	60
gnnggggtatc	mntantgntg	nnnanacggn	cgngaanttg	ntgggagnta	ttctntatta	120
nttttccncl	ttttantnat	cntnncctng	ntggcnntnn	tantnganga	ntaagtnnan	180
tcctccnct	accncncatg	gcgttttctc	tnttcatant	tatctnngtn	tnactttnan	240
gntantaant	acataatncl	nttactnttn	caanncntgt	tttnaannat	tnctgnantc	300
ntgttnagnt	cncnngtcnt	aatgtnnnc	aatatgctan	tagattnttc	gtataanagn	360
nnntnttttt	gatntnatta	tngangnnnn	tanattannt	nnannnnntn	nangtacnan	420
aatnttttagt	nattncnact	nttctnataa	nnnnntnatt	antnaantta	aagntactcn	480

nacnacnng	agntcntnac	nntnaacaag	tnnctcntgn	atnacctnat	tcttnttctn	540
cnattcttnn	anatnngtaa	tcaanacnet	nntctntctg	nntatannc	gaatnaatan	600
atactnatgn	ncngctntac	nntcngtatt	ctcatanang	gagtatntnt	actatntntn	660
canngtgann	tgcacatncn	tcatgcncn	atangtcana	tnnanatatn	nntacnactt	720
gnacnattnt	cnttnacgan	nntctctctn	acacatagta	tcantatnga	natcncntgn	780
tanannataa	aantcgnntn	attnaggtcn	nagaangcaa	tgttacatgn	tcacnaatnc	840
aatctttctc	natatgtnaa	tctngttnnt	nanantcttg	ntcaatanta	actnnatatn	900
aatattctgc	gtnttatcgn	atnactnanc	ngncatcgat	tagnggnnac	tcngnnnang	960
acacganacn	atgaatgang	tnntntntnta	gtgtantact	atattacgta	nttntntataa	1020
agtntaatgt	cagacantat	ngactaaang	ctgangctct	ttggattcca	tanganncac	1080
natanctgag	tatattagcn	ctcatcgaga	nttctgaaaa	tgaagntgta	tnaccgaaatn	1140
cgattgnaan	ttctctgatn	ntggattaaa	ttcatatnta	atggacgtnt	nttanaatan	1200
catcantntn	taccatgnta	cagatgcg				1228

<210> 1706

<211> 780

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(780)

<223> n = A,T,C or G

<400> 1706

gtttgaatat	canatacaag	ctacttggtc	tttttgacag	atcccatcga	ttcgctttta	60
gccaagggtca	cctccgaagg	tcttgggacc	atgggttttg	gaaagaaaat	aatatccagt	120
tcattggaat	cctggtnctt	gggtcttttg	ccctggaagg	ggggtaaagt	ggacatcagc	180
agcatgggttc	attccttttc	ttggtcttct	acctgttctc	cacaaaagta	taaaaagcca	240
gaattgcttt	ttgggttttg	agatggcatt	gtcttccatt	tgcaaaaaac	agttttataag	300
acaaataata	aagaaattga	aatgtttctg	atgggtttcaa	aaatgtaaac	ataagccaga	360
gtagttatgt	ctcaacatca	tctcttgcca	gccggcagct	ccttttcttc	cttgatcttc	420
taaatgtaca	ggggaagaca	gctggcagcc	tgcatgttt	caaaccctca	ttaaagtctc	480
ggattttggc	ctcttcgttt	tcccctagat	gtcattaaag	ctgtcagcac	cattgctgtg	540
catgagaaa	aggagagtct	ctggcctagg	gtggccgctt	ctccacattg	gcaccggag	600
tcctncatgg	ggcgangctc	cgcatctgc	aggtccgttg	atctggagtc	cgggaagacc	660
acgtacacct	caanatgtca	gtgacagtga	ggactganta	accctgcagg	gnctaanatg	720
ccaaaccttt	ttgccttctg	ctgtgcttgc	ggcgggcttg	gggcttttgt	ggacaccccg	780

<210> 1707

<211> 780

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(780)

<223> n = A,T,C or G

<400> 1707

gtttaataca	natacaagct	acttggtctt	tttgacagat	cccatcgatt	cgaggccagt	60
gtgggacagg	gttggttagg	tgtgcctttt	caaacacatt	tattattcag	aagtgggtgc	120
agataacgct	taagattaca	ccgaagaatt	tagggagggt	gggggatgaa	ggtctgttag	180
taaccagaaa	cacattagtt	gggcatcagt	aaggggcaac	ataaaggaat	ggttccccctc	240
aaaaacgaac	aaaccaaatt	ttatacaaaa	aaatgaaatg	cagcagggcg	cgatggctca	300
cgcctataat	cccagcactt	tgggaggaca	agacagcgga	tcatttgagg	tcaggagtgc	360

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gagaccagtc tggccaacat ggtgaaacct catctctact aaaaatacaa aaaattaagc 420
caggcatggt ggtgggcacc tgtaatccca gctacttggg aggctgaggc aggaaaatcg 480
cttgaatctg ggaggcggag gttgtantga gcccagatg gtgccactgc gctcaagcct 540
gggcaacata atgagactct tgtctcaaaa aaaaaaaaaa agattccact aaccntgtta 600
agctaaaagg aaggggctct taaaaagaca cagatnttag tgacttaatt ttaaatactt 660
gggtttacct ttaacccaaa agttcanttt ccccaaacct ntttctgctt cangnaatga 720
aaaacattgg caaaccccaa aacantggna atagaaacc tggcnttaaa gtcttcccn 780

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<210> 1708
<211> 922
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1) ... (922)
<223> n = A,T,C or G

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<400> 1708
angnnttttt nnaaaaattt atccaanaaa atnaccaaan gccttnactt ttgggttttc 60
tttttttttg gncaaaggga aatncctccc aatccggnaa tttccggaaa aatttcccg 120
ggcnaccggn aaggggtnc aacttttccc ggcggttca aaaccccaa gcctttcctt 180
gggttggncc cttgggcccc aagttcccng gggggggccc ccccttccc ccgggttttc 240
ccaagcccca ttggcctttt ttcgggccc ctttnggccc ccngggncctt ggnccaagcg 300
gcttggttc tttccggncc ggcaagcctt tcaagcaacc ctccggcccc aagcggttnc 360
catttggtt ttgacgtagc tnaatctcct ttgcagcctc cgtgtgaagt tgtgcgtgaa 420
taaaagaaat cgtatacttc ctaattccat agtatggaca aaccgaggct agagaactgg 480
gccagggtta cagtcatttg gccagaggat tagaattcag cgcttctgac ctgaagacgg 540
cttcctctta aacttttttg aggatctctc ctgctgtggg cggactgagc ctgccgccag 600
gtgtcttaac agtgcttgac ttggcccgcg accacttaag cctaggagcc taggctattt 660
tagccatctt ctagaatggt ggttcttaaa ctctgcagtg tgtcagaatc accagaaaagc 720
taataaaaaa cagacgtctg ggttcattga agaagcttaa gactgcgggg gggggtccgc 780
atttttacca agtgaatcta attaaacctt attttgagaa ccccnnnnna aaannnnnn 840
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 900
nnnncttttn aaaanttttn nn 922

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<210> 1709
<211> 900
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1) ... (900)
<223> n = A,T,C or G

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<400> 1709
ttgaaagact ttacaaccnc ttgctctttt tgcangatcc catcgattcg gatagcaaaa 60
cctgattttt caaccatgac ctgcatgaga gaacatccta agaagtctta gatcatactt 120
tcgagttttt aatnttaatt tatataantg cntctttatg tcttaatatt cttgtgaact 180
ggngtntatn gtnaatgcnt ataagcttgt gtnattgntg tnaaatantt ttgngattnt 240
atctcttgcc ccatatgtaa atatttagag tctcatttct tgcnaactta tttgaagctg 300
agnctgggt ttgggntntg tttgctnctn tggctgcagg ntgggntggn ggggtggcatn 360
gggaggang gaanggatct atagtcctnt gacatggttn atttntntgn nnanaaaagg 420
ctacttgctc nnctgcaann nattctcnta acattcacan ntntttccnn ggtnaganca 480
taanntcntt nccnnngant gcctataatn anctcnacca cnttttggcc tnnatccnnn 540

```

```

gngcncancc aangatgtgn cennntggctc taacnactna antntggact cacttntnan      600
ancccttata attccccctg atttnttggn cctnntacca tnnntntnna nnganntatc      660
ttttanaccc tntcacngct ttcggcgact tcagagcatn cttctcctna cntcnnnac      720
ccnactnta ctttcatgnc cacttnctng naantgaaat ntaacttctc cnaacgtntc      780
cngncctcn tgnantttga acnnggcnat cattggctcc aantnctcc ttttactctn      840
ttntcctcca tantatacnc tnggnnaant tcggctggat tantccanac tntccctccg      900

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<210> 1710

<211> 673

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(673)

<223> n = A,T,C or G

<400> 1710

```

tcngcacgac caagctgatt cncattctg aaagctgagc tggaaagaac caaagaggaa      60
aagcaagagt taaaagagaa actgaaggaa acagagacac acctggaaat gctgcagaag      120
gtcaggggtt ttggcaaaag ttacggcgct acgtatccac gtcagctatc tccttacttc      180
tgtctccctt cacttggagc ttcgtgagat cgggtatgac tcagaacaag tggatgggat      240
cctgtacagc gtgctggagg caaatcacat actggattga gcaccagact gtataccctt      300
ctcttctctt atcttctgtc tgttctcttt tctctccctc cctcacgtct ctctctctct      360
ctctctctct ctctctcacc ctacacctta tgctttatat agagaatctc tgtgtaaatc      420
ctgggtcata atcagtctcc tttttatcag ttttgggtgt gagaaagagg ccagtttaaa      480
taggctttca agagtctagg gtcagaaaag caatagtcac taagctaggt gacctgaaag      540
ctttaatttt catgacctgg atatgtggtc tattgtatat ctttttctga aatgggtttgt      600
attcatttag gttagacaat cagcagatat tgggtccngt ataccaggta ttattttggg      660
gtaagctnac aan                                     673

```

<210> 1711

<211> 667

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(667)

<223> n = A,T,C or G

<400> 1711

```

ccgagaggac agannnnnnc ccccntggag ggaatttttg aaagtaaagt gtatgggtta      60
gggactactg gacatactgg gactacagtt tgggttaatga gcctgaagtc ctggactaag      120
tggtaagttc catctggctt tttaacaggt agaattgggt tgtttaaaag ggagtttgtt      180
gggcggagga ggtgactggc gaggaggcga gaaatgataa gctataggcc tacaagagct      240
gcttagggga ttggatactg cttctgtgat aggaactggg tggggatttt aagggtaatg      300
cagaaggggg tgtggtgttt tgcaactgag ggtgtggaag tatctcaaaa cagcgggggt      360
aaccatggat gggggataag gaaaggttgc atgttttang gtgggaggtt gcaggagtag      420
aagaaagtta gaagccctgg aggggtctcg gtggatgcgt tgggtctagg ggaacgtggg      480
agtggagagt ggtgtggagt tttgaaagca tggctctgcc taagagtgga gttgggcatg      540
aggccaggac taanaatgag tgaaaggaag ccgggcgcgg tgctcaagcc tgaatcccc      600
accctttggg aagcccgagt tgggtggatc atgangtcaa gagatcgaga ccatcctgga      660
taccctcg                                     667

```

<210> 1712

<211> 786
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(786)
 <223> n = A,T,C or G

<400> 1712

ttgnannnnnn nnnccnttac aactcttggt ctttttgcag gatcccttcg attcgaattc	60
ggcacgaggg gaaaataacc cagttttgat cttttttagt ctgggtgctt actggatgtc	120
aaggtagaaa gtgtccaaca aggtgcttta actataggtt ggagttctca aaaangttaa	180
agagggtaga gttatagtga catcttcagc ntatatagta gttgaggcca gtggaaaatt	240
tcccattgag agctctgaga ggaaagtgtt tagaagccaa gggaaaaagg agtattgaga	300
aagcgttaga tatcacagaa aaattagatt ggtgatttct aagacaagga tataaccggt	360
aggatgtcat tgacctttgt gggagtaata atggggacag aagtcagggt ttgctatagg	420
ttgagggtgt ccaatctttt ggcttccctg gtctactttg gaagaattgt cttggggccac	480
ctataaaata cactaacact aaaggtagcc ggatgcgcta aaaaaaacga atcacaaaaa	540
aaatctcata atgttataaa gaaagtgtac aaatttgggt tgggctgcat tcaaagccgt	600
nctgccacat gcaacccatg ggccgcgggt tggatgagct tgctgtagat taaagagaaa	660
ataagaagtg ctgaagcnag aaaagtcata gagtagatgc tagccnttan ggccgaagta	720
gtagttgaag ttatttggtg gctcatgtca tagtgngaa gaagagaaag aagaacttta	780
gggatg	786

<210> 1713
 <211> 769
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(769)
 <223> n = A,T,C or G

<400> 1713

agttacttag ataaagctac ttgttctttt tgcaggatcc catcgattcg ctggtgtcca	60
tcagcacctc cgtgatcctc atgcagcaac ctggctgcct gccagctact gtggacctgg	120
ctgcacaagg ccgccgcca tctgggctgt tggcaanaag gtggaccag cgctgtgctc	180
caaacgtggc tgcagcaccg gtgggactga agaatgcatg tgggcccag gccgtgctgg	240
tgaagcacia gcaagaacgt ctacaaagcc cgtaggccac tacaacgtgg ctatccctc	300
tgacgtctcc cacttccgct tccatttctt tttcagcaaa cccctgcgga tcctcaacat	360
cctcctgctg ctggagggcg ctgtcattgt ctatcagctg tactccctaa tgcctctga	420
aaagtggcac cagaccatct cgctggccct catcctcttc agcaactact atgccttctt	480
caagctgctc cgggaccgct tggatttggg caaggcctac tcatactctg ctagccccc	540
gagagacctg gaccaccgtt tctcctgagc cctgggggtca cctcagggac aagcgtccaa	600
gcttcagcca agggcttcct ggcaangggc ttgttgggta gaaagtgggt gtgggggggg	660
acaaaaagac aaaaaaatcc accaaaactt tgnatttttt ggtacgtact ggttcttttg	720
ataaatggat ggngataaag gaaaaaagtc taatttttat actcccaaa	769

<210> 1714
 <211> 748
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(748)
 <223> n = A,T,C or G

<400> 1714

ttnnnnnnn	nntcatttac	aacccttggt	ctttttgcag	gaccctcgat	tgaattcgg	60
cacgagagga	nccaatactg	nctttnnnta	ntataccaaa	anactannntn	tatnaatggt	120
gntaagggtg	actggnacaa	cttttgcttg	ttttggcttt	ttctctgctn	tttngtggat	180
ntgangggca	gaggegcnc	ttttgntcgt	gttntncntg	gnnnanantnt	tttannttgt	240
ttggtgnntn	anaaagtnat	tggnnctgc	cggnatngag	angaggagact	gntctgatta	300
tntngcnatg	ggnattgag	tttantagga	aaattgagag	gataaaaaatt	atgatgnnan	360
acctcaaann	cccgtgaagg	ntanaacttc	tnatncatct	agagcaggag	actggcatgt	420
tgaagactn	ataacagntg	gtctggtgat	acttgatata	actagggctc	ctctttcgct	480
catgcncctg	agagacactt	tatcaagacc	tgnngtgagg	catgcatngt	nagntctgnt	540
gagagtgate	tgaatgaga	tacgaagaca	ggcatgtac	tggcctccac	gccncatngn	600
agtttggatt	ttatggnagt	gnacangann	acattggcag	ctgtagctgg	tgatggcann	660
attnatttgt	gctnacaang	ataagctggt	gcagcgctna	tgccgtatgn	caccncttgg	720
gagaccatna	cgnggacacn	caattgan				748

<210> 1715
 <211> 773
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(773)
 <223> n = A,T,C or G

<400> 1715

ntcnttttnc	aaactattgt	tctttttgca	ggatcccatc	gattcgctcg	cgcaatgggc	60
tgctgttgga	catcaccaag	tgccgcctgc	cnntgtcaac	aaggacgact	ttgccctggt	120
ccagcggcct	ggcccggtgn	tgtntncngg	nggcgccccg	cgctctggtg	aactcaccaa	180
gtcctacacg	cngcagcncg	agatgtggct	gnccactcna	accaattnac	ccgctggggn	240
anattactgg	aacaccaagt	ttgaaaagtt	ggcgaggagc	tgtaagcgga	gcatggacat	300
tctgaagcaa	gccttcgtcc	gggtctctcc	caegccacc	gcccgccttg	agcaaaggac	360
cttcagcgtc	atcaagatct	tccctgacct	cagcagcaac	gacatgctcc	tcttcatcgt	420
gaagggcatc	aacttgccca	cacccccagg	actgtcccct	ggcgatctgg	atgtcttgt	480
tcggtttgac	ttcccctatc	ccaacgtgga	agaagctcag	aaagacaaga	ccagtgtgat	540
caagaacaca	gactcccctg	agttcaagga	gcagttcaaa	ctctgcatca	accgcaccac	600
cgtggcttnc	gaagggccat	ncagaccaag	ggcatcaagt	tcgaagtggg	tcacaagggg	660
tgagctagaa	agagccatgg	ccgctgggtg	ggctccangg	ganggggaagc	tcttntgaac	720
caaccatnct	gtcccactat	acacacatgc	ccacangggg	cttgttcaaa	aat	773

<210> 1716
 <211> 766
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(766)
 <223> n = A,T,C or G

<400> 1716

aancccatat	anctcttgtt	cttttgcagg	accctcgatt	cgaattcggc	acgagatata	60
------------	------------	------------	------------	------------	------------	----


```

tggaagtctc aaatctgaat ttttatccat ctcaatatga ccatttctct ctgttgtgag 120
ctgaacagat taagtntntt tttggccgtt gggggatant ttggtctatc ttttntctgc 180
ntnngnnctt natttnnaaa aattattaaa ggnnggntgt ggntcttccg tcngttggnt 240
ttntnaagaa tattccataa aatgttttat ctgccataca aaattactgg gtttatggcc 300
ggatgtggtg gctcatgcct gtaatcccag cagttcagga ttacaggtta tatacaggtt 360
ataacaatgg ataccaggac atcagaatat ctgataaagc aaatatttat atgctaattt 420
aaaatatcaa attgctactg gacataaaat acatctggaa gcttggggta agaagaaaga 480
aaagaagtgt tccgttctgt tttcaactaa gggtaaacga agtcccagag tgttttccct 540
gtaggtcaaa ttaangtaac atgtctttat ttgatcatct attgnacacc agatcctggc 600
taagggtctc cttttttctc atgtagtctt ncaaatgtct ttgataattg tcactatatt 660
atagatgaca aagtgaagac ttacgagaaa ttacctttgc ccaaggntac accacttana 720
tggctgtcca aggcgcggga anaaccctcg caaatctggt cttgna 766

```

<210> 1717

<211> 1040

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1040)

<223> n = A,T,C or G

<400> 1717

```

gnnttgannc tattgaaccc ttgtntttng caggaccctc gattcgaatt cggcacgagg 60
annctctnat gcactgnntn gganaacnng ntntttnnnc ctcnagcac annngnacng 120
gnaccaaccn agatgcntcc agctgntnct ttgtgtaaag ntnttgnng gggttgggtg 180
tcttttgttt natnnanncc tntncttngc ccttccccct gnnctttaat tntntgnnt 240
tantnnntc ccctnngng gnggangnt tnaantntna aanncccccc accatgttgt 300
cgatggncct taggattcga ataatcggct cgagacacac catgggggca tagggaattc 360
tctgggtggg ccaatggtca angctttacc naatcccccn agggctctca tnggcttggc 420
gcaatccccc nataaanggc ctngnactcc aanataatc cataaaataa taaatggccc 480
ctggggncnc ntthtactgn gtanaatnan atggggntat ngtggnggt agcactggta 540
cntaactaag ggaaaccgan taacaccaca aataccccc ccnaaaantg gccttgtagc 600
tatccnaatn cancaaaacc agtggtnaa naaaccatga ctngggcgac gnctcatggg 660
ttncacaaat caataccgcc aaggtcgtat tangaacttt tgccacanag gttnggaaca 720
gtccngctta gggaaatgan naaagaactt gacagggcca tcagttncat tggnaaaat 780
ggcatgggga atnccagtac ccangtttct ttgaaccena ttttncncn cntttttcag 840
gggggaagta attggcgtgg ttttttgggc ctcaananaa aactttnttt aaaaanagnta 900
aagggtacc aagggaaaaa gggaaaaaaa attggtttaa ggggcaacna aaaaaaaggc 960
ctttaaactt ccttgggaaa atnggnnacc tanaatttca atcaagncca aaaaaangga 1020
antttntttt aaaaaaaaaa

```

<210> 1718

<211> 919

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (919)

<223> n = A,T,C or G

<400> 1718

```

ggtttgantn cttttacaag ctactgttc tttttgcagg atcccatcga ttcgctcaaa 60
gaaatccaag acagacaact cttctcttan ttnaccatta attcntaagt tntggggctc 120

```

```

cgtncaacttg aanagtcttt gaggggttcg ccnttcaagg ggaanacttc aaagattcca      180
atthtcttga agaactnta gaagaatgat tgaagatgat gtcgccatt aagctgcccc      240
ttacctttac ttctctaaaa aaggccacc tgcagaaac ccaagggaag cacagtga      300
agccttttga aggcacaang gcagaagcca aaggcattct tgaatgggac aagaaattcc      360
acaggggaat ttccaaatct tnccaaaaaa aggactggaa gactttcttn aaaaaccaa      420
aatggaaagc agatgacttt tgtttgggat antnggccaa aaggcacgca gnaaagatga      480
caccgaagcc cccacnggaa tttcttggg ggtnacacctt aaggacctt ttagttaaaa      540
ccntcattaa aacanttttg gccttntctg cnagccctt accaccttt aatttggcat      600
ttnttacca aaagaaaaa acccaaaggn accnggggg angggaacaa aggaaagga      660
agnccgncct cctnggtccc ctngnggnt taattccttc cccaaaaaac caggccttcn      720
ggncctttcn tcnttcttaa gggggaaga atttggagc ntctgttctt tccccaaaa      780
aaaaaattgg ccgaaagtgc tttggttca aaaaaccgcc ttttgnact ttnttagagg      840
ccccaaaaag gangggggg ctttctant ggcctggaaa aaacaaacgg gaaggaaatn      900
ttttgaaaaa aaaaaaaaaa

```

<210> 1719

<211> 1188

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1188)

<223> n = A,T,C or G

<400> 1719

```

ctttttgggc ccnntttaag tgnaanancc ctnaagntgg gaaaaaaacc ccnttttggg      60
cnaaaaaaat ccgcgnagag ngaacacaga gaangggacn aggagannna ncncncngga      120
gacagacggn aaagggngga atganacata nngaaaagan ggggtaana aanggagaag      180
agcctttttt tttttggnac atatntntnt nagagangag cgcgngngna nagacagnga      240
agnaagnggg gggncannac atntgggggg gggggggggg ggggggncaa caatatgcca      300
cannnaatnn nttacanna nagangaatc ncaganagcc agnaaangng ngacgagtna      360
gcgaanncnt gagacanata gagagaanna ananagngcn anacgaagna ggaggagcn      420
nnnagtaana atgnnanaag atgntagnng agangggagg acacgngnna ngagaantan      480
cgngnaaaaa naatacgaaa gagagnggga aggagaggna nanngganga ngagannnaa      540
aaanatangn ntaannanaa ngancnggnc gngnagacng ggagaantag aanngggang      600
nanngaagng cganacaanc gngnnaacag aatgaggagn ngaagnanat gnncaanaa      660
ngtngtgan agannnagag ggaagagaan aggnantntn angacganen gnnancggn      720
gagatggaan gnggcganac nnnncagaga gaanggancg ganaagnann naagnaagga      780
cngacgacga annancaatn agnagaacnc aacgttagca gaaggtagnn gnacacggcn      840
nnntanagga anagnngtac aggtntntta nnnngnntag aggaaaanga ggancntgcy      900
ggacgagcgt agnnagaaag agagagtncn gnatngngna nnaaggagna angagntgat      960
gtacgganga gngnggggac ganggggaan anacangnna gaaatannga aagagagaga      1020
agcgnnnata agatnaagna gctacagaag ngaatgtcat gngatgcacg ggatagngag      1080
ntgtaaacga canangaanc agacgntagn agntgnatan tcagaaaagg gnggngngga      1140
nnancnggac gngggagngn aaatgatgaa gngngaggga naangngn      1188

```

<210> 1720

<211> 788

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(788)

<223> n = A,T,C or G

```

<400> 1720
aannnnnnan cttttttgtt cntttgcagg atccctctnt tcganttcgg cacgaggcta      60
aacatcaaaa acagatcttg taggggcggg gaaaatgagg ggaagaaac aaaaacgtga      120
tggtgcctca tgctgcttaa aatcttcagt acattgatgt tttgatggcg gactacataa      180
gcgttaaaaa ttgtgttttt cagatcttta aaataaaga cagtgccttc agtgaataaa      240
aaaattagtt tgaagatat ctggagaaat cgcattcata aaacaattgg aagtgaact      300
attaaaacaa tagggctttt taaaattaaa aatatttaa attcaaaagt aattaatagt      360
gttggaagat gtaggtgaga aaatattcct gaaagtagaa ctgaaagaga caaagagaaa      420
agatgaaagc cacagaagat aaatacaggg gtcaaaacca gactaacagt tttagaaagt      480
gaaaaaagtt aaaaaagaaa tgggggcagt ggggtattag aaataacata aatggctggg      540
atggtttgtc tgtgtctcc ccaaatttca tctcgaattg taatcccat aatcccatg      600
tgctagggga gagacctggg ggggangtga ttggatcatg ggggtgggtt ncccttacga      660
tgttctnctg ataggtgggt ggagttctca caagatctga tggttttttt aaagggtctc      720
tgcccttta actcctcact cttttcttcc ttgaaacct tgtgaaaaaa ngngcntttg      780
cntnccn

```

<210> 1721

<211> 750

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(750)

<223> n = A,T,C or G

```

<400> 1721
ggttttnatnc nttacaactc ttgttctttt tgcaggatcc catcgattcg aattcggcac      60
gaggggtggct catgcctgta gtcccagcta ttcaggaggc tgaggcatga gaatcgcttg      120
aacctgggag tagagggtgc agtgagctga aattgcacca ctgaactcta gcctgggcaa      180
cagagtgaga cttgggtctca aaaaaatta aaaataaaaa ataaattggg ggcctgagtgt      240
ggtggctcat gccttcaatc tcagcctccc aagtagctgg gattataagc atgcgccacc      300
acgcctcgct aattttgtac ttttagtaga ggtgggggtt caccatgttg gtcaggctgg      360
tttccaactc ctgacctcag gtgatccgcc tcctcagcc tccaaagtgc cagtattaca      420
gacgtgagcc gctgtgctg gccgagtaat ttttttttaa aaaaaagcc tctagaacta      480
tagtgagtcg tattacgtag atccagacat gataagatac attgatgagt ttggacaaac      540
cacaactaga atgcagtga aaaaatgctt tatttgtgaa atttgtgatg ctattgcttt      600
atgtgtaacc attattagct tgcaataaac aagttaacaa ccaacaattg cattcatttt      660
atgtttcang ttcangggga ngtgtgggaa ggttttttaa ttcncggccg ngcgccaatg      720
catttgggcc cggtncccaa ctttttgnn

```

<210> 1722

<211> 735

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(735)

<223> n = A,T,C or G

```

<400> 1722
gttgactaca aatacaagct acttgttctt tttgcaggat cccatcgatt cgaattcggc      60
acgagatgga acatgagatg ggtggccacc accctgggtg tgactatcca gttgatgggc      120
tgccagatct ggggcatgcc caggacctca tggatgggct gcctccaggt gacagcaatc      180
agctggcctg gtttgatact gacctgtaaa tcatccttta gctgtattgt ctgaacttgc      240

```

```

attgtgattg gcctgtagag ttgctgagag ggctcgaggg gtgggctggt atctcagaaa 300
gtgcctgaca cactaaccac gctgagtttc ctatgggaac aattgaagta aactttttgt 360
tctggctcctt tttggtcgag gagtaacaat acaaatggat tttgggagtg actcaagaag 420
tgaagaatgc acaagaatgg atcacaagat ggaatttagc aaaccctacc ttgcttggtta 480
aaattttttt ttttttttta aaaatatctg taatgggtctg actttgcttg ctttgaaagt 540
aactcttttt ttttttttgc agtaactgtt tttaagtctc tcgtagtggt aagttatagn 600
gaatctgcta cagcaatttc taatttttaa gaattgagta atgggtgtana cactaatnat 660
cataatcact ctaattaatt ggaatctgaa taaagngnac aattngtacc cttttttatn 720
aaataacaaa tanaa 735

```

<210> 1723

<211> 757

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (757)

<223> n = A,T,C or G

<400> 1723

```

actnnnnnan ctcttggtct tttgcaggac cctcgattcg aattcggcac nageggagtg 60
ntggcttnca ttttttcttg ggcaagatgg anaattcnct tcctgnncct ccatcntggc 120
canaatctaa ntntcntnt atgccgggtt tgcttggtgn ttgttatatt tatntgcnn 180
tgctngcnat gtntntntgn tgncttncng aaatgtntgn acttttggn tttcttggtg 240
ngagaaatct acttatttat ttaaatagct tcgacatacc ctgccctcac tcataattgc 300
gggggtggnga gcacacccaa gtttattagn aaaagtntn ctatttanac atatactaga 360
ntntntgtgt taaatncgta aggacccaaa ggaagnantc ttntataact gctntttnta 420
ngnnaatgtg agctaacttt gaggtatat ancatatgca ncanagcttg tgaactgaac 480
acttggtggt ccatnaggng tgcaagcatg ttntacttgg ntcnnacta tctnnggtcc 540
tgcgangntc ttnaacgatg naaatgttcg ctgttaatga gaagtctgga actnccatat 600
tctcttaaga cattttgcgg cttccagana tactcttaaa tgactgctnc aaagctcaaa 660
gacttgnagc ccntgggtg antcctccat tagatggaca tgcattctcc anctacntg 720
ncccatactc agggaaacna accaacactt tcancan 757

```

<210> 1724

<211> 830

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (830)

<223> n = A,T,C or G

<400> 1724

```

actnnnnnan ctacttggtc tttttgcagg atcccatcta ttcgactttn gcncgangaa 60
gccngncaac ttctnngatc tnggaggtgn tgtaaagggn getcaggntc atcanccctt 120
cagntcgctc anagctgntt ctccanggtga agccttcctt gttgntntat nnggaggatc 180
ganantctgt ccgtgcttgt ctttggngtg gntcnccnct gccggnagct anaactaatg 240
gtgcccttgg nggtccggtc tgaaggaacc aacgtcncaa ccgcccatan natnctcacn 300
nacngcggac tccccntnac ttcacncntt nacctngacg atnctngcaa aaagctgttg 360
ccagnngnnc caaaaatgnt gtctttgtnc tnatccnang gtgaacngtg ccgntnttnc 420
gtaaaaagg atgggttcac attgtgnaag aaaatggata tctcattggc gaanaaaagg 480
ggannnnnga aggcaagaat cacttganna atcntaaatc tgtggtgant ggaataagat 540
atctctaaca ggctaantct gatttttagc ctttataaaa aatnatantc ngggngngct 600

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ccataacttna	nttgtcactt	gtnatgcctg	gcccaaaang	ccaatgtntt	gccatacttt	660
tgggggagcg	ggacnntgtg	ggnccaaaaa	attgcggggc	ntttgacccc	naantttgna	720
aatcaaaagt	ccttgctttc	aatntaccaa	naaantttng	gggggggcaa	tcttaatncc	780
ttnccttaaa	tgaaaagggg	ctaaaaaccc	cttcnttttc	cnaaaacctn		830

<210> 1725

<211> 1089

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1089)

<223> n = A,T,C or G

<400> 1725

agnaaagtga	aaatcttctt	tttactacan	gncttgggca	tgggccctgg	gcaggggtnc	60
ggaacttctt	agganggnat	ccccgggggt	tnacccggag	ncttcggaag	tttcgccctt	120
atagtgggag	tttnttttaa	ttaacaaatt	tccaacttgg	gccccgtccg	gttttttaac	180
aaacggttcc	gttggaaactt	gggggaaaaa	aaacccttgg	gccggtttaa	cccaaacttt	240
aaatcgggct	ttggcaagca	acaatncccc	tttttcggnc	caagcttggg	cggtaaataa	300
ccgaaagaaa	ggccccggca	anccggaatc	ggccctttcc	caaacaagtt	tggcgccaag	360
ccttggaat	ggcggaat	gggaacgccg	cccctttaa	gccgggcgca	atttaaagcc	420
gccgggcggg	ggtggtgggt	gggggttaacg	ccgccaaagc	gtggaanccg	gcttaacaac	480
tttggcccaa	gcggncccta	agccggnccc	cgnttncctt	ttcggttttt	cntttccctt	540
tcntttttct	tcggncaacg	gttcggnccg	ggctttttnc	ccggtcaaag	cttcttaaaa	600
tcgggggggc	ttncctttta	aggggggttc	gaatttaagt	ggcttttaac	nggnaacctt	660
cggaccccca	aaaaaaaaact	ttggattaag	gggtgggaat	ggggttcaac	ggtaagtngg	720
ggccatttcg	gcccttggaa	taagaacnng	gtttttttcg	gccccctttt	ggacggntng	780
ggaagtcccc	aacggtttcn	ttttnaaata	aagtggggaa	cttcnttttg	ttncaaaac	840
ttgggnaaca	aacaactttt	aaaccntat	cttcgggggc	tnaattcctt	tttnggaatt	900
taaataaaa	gggaattttt	tggnccgga	ttttcnggnc	ctaattnggg	ttnaaaaaa	960
atggaagctg	gaatttnaac	aaaaaaaaatt	tnaaacggcg	naatttttna	acaaaaata	1020
attaacgcnt	taacnaaatt	tccttggang	cnggggantt	tcttncctta	acgccaatnt	1080
gggngccgg						1089

<210> 1726

<211> 754

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (754)

<223> n = A,T,C or G

<400> 1726

agtttantnc	natacaagct	acttggttctt	tttgcaggat	cccatcgatt	cgaattcggc	60
acgaggaaac	atggggaaaa	gttcgtaaac	tcttggttga	tgcaattcat	aatcaactaa	120
ctgacatggg	aaaaatgtat	tttgaaatat	atgaaaggaa	catctattgt	ggtccctgac	180
cactgcactt	tttattacca	gggaaaaaaa	atcttgtaac	aatttcatat	ccttcaggaa	240
taccagatgg	ccagctgcag	gcctatagga	aggagttaca	tgatcttttc	aatctgcctc	300
acgacagacc	ctattttcaa	aggtctaata	cttatcactt	tccagatgag	ccatacaaa	360
atgggttacat	tagaaatcca	catacttacc	ttaatccacc	taacatggag	actgggtatga	420
tttatgtggg	ccagggcata	tatggctatc	atcattatat	gcaggatcgc	atagatgaca	480
atggctgggg	ctgtgcttat	cgatctctgc	agactatctg	ctcttggttc	aaacatcang	540

gatacacaga gaggtccatt ccaacacaca gagaaattca gcaggctcta atcgatgccg	600
gggacaaacc agcaacattt gtcggatcgc ggcaatggat tggatctatt gaggtgcagc	660
tggtactaaa ccaattgatc ngataaccg tcaaaaatcc tgtttgtcac ccaaggtcaa	720
aaattgcctn ttcaaggccg ggaacctggc taan	754

<210> 1727

<211> 800

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(800)

<223> n = A,T,C or G

<400> 1727

gnnnnnnnnn nnnnnnncaa ctacttggtc tttttgcagg atcccatccg attcgaattc	60
ggcacgaggt acagcaggcc ttgatttcaa caataaaatc ccgacctccc ttgctgcgct	120
gcactgcccc cgaggagctga tgggttgagg actggaaatc agaaaacaca caatccagaa	180
acatggttta tctggaacct aggtatataa gatgccaaga taagtcaaatt tcacagagac	240
acattgtaga atggtgattg ccaggggcca cagaggaggg cagaaataag ttattcttga	300
atgagtacag agtttcaggg ttttttgnnt ttggtttttt ttttttcttt anacagagtc	360
ttgctctgtc acccangctg gagtgcagtg gcgtgatctt gggtcactgc aacctctgct	420
tcccagggtc aaaagggtct tctgcctcaa cctccgagta gctgggatta catgcataca	480
ccaccacgct cagctaattt tttttgtagt tttantanan atgggggttc gctggtagcc	540
catcngcca ngctgggtta attattnatt ttttaatttt tttagagctaa aagtctttgc	600
cctgtcacc aagcttgggg gttcaagtgg catgaatctt aagcttaact ggnaancctt	660
caaccttnc ggggggtcaa agtgaatcgg tccccaacct taaanccttt cccaaagtaa	720
gcttggaaaa ctaccggggg gggggcacc aaccattgnc cccaacctna aatttttttg	780
ggatttttgg gaaggngggg	800

<210> 1728

<211> 753

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(753)

<223> n = A,T,C or G

<400> 1728

agnttnaatg cgatacnagc tacttggtct ttttgcagga tcccatcgat tcgaattcgg	60
cacgaggtgg cgcagtctga gttcactaca gcctccacct ccaggttca agagattctc	120
ctgcctcaac ctcccgagta gctgggacta cagttgaaaa agatcatcta gcaaagcctt	180
tttcccagct acatataagg aatttgaaag tcacataaaa tggtaagaa aatgtgccaa	240
gattacctca gtaattctgg tctgtgttct caggagacct tggaaataaa caatgtgtct	300
tctgtggctt cagcgtcacc tagtgcaggc tgccattcaa caaacgcatt gtcaacagtc	360
aaccaaaaga aaccattg ccaccatacc ctgaggacta accctgacac agatgccctt	420
ccagatgccc tcaatagtct aactgattcc atcgccccag ccttggggga gaagcactgc	480
tgcttatgca ctccatttac agaaaaacgt tgacctcttg gcgagaatgc aaagaaggga	540
acgcttgctt atacactgtt ggtgaactgt caccctaca actcagcttg caaccagccc	600
tgccaccag tttccccaca ctgagctgaa tateggacat gcccattcta gacattncag	660
ccattctga aattccacat cgattcacct gacaaagtct gaagttncan ggcaatttat	720
cttggaagaag cttacctggg aatactgtc att	753

<210> 1729
 <211> 747
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(747)
 <223> n = A,T,C or G

<400> 1729

agtttnactt	cnnatacagc	tacttgttct	ttttgcagga	tcccatcgat	tcgaattcgg	60
cacgagagat	cactcaaaat	ttgcatgtga	agaatataag	cagagcatcg	gtagcactag	120
ttcagcttct	gttaatcatt	ttgatgattt	atatcaacct	attgggagtt	cagggtattgc	180
ttcatctctt	cagagtcttc	caccaggaat	aaagggtggac	agtctaactc	tcttgaaatg	240
cggagagaac	acatctccag	ttctggatgc	agtgtctaaag	agtataaaaa	gttcagagtt	300
tttaaagcat	gcagggaag	aaacaatagt	agaagtaggt	agtgccttc	ctgattcagg	360
aaagggattt	gcttccaggg	agaacaggcg	taataatggg	ttatctggga	aatgtttgca	420
agaggctcaa	gaagaaggga	attccatatt	gcctgaaaga	agaggaagac	cagaaatctc	480
tttagatgaa	agaggagaag	gaggacatgt	gcatacttct	gatgactcag	aagttgnatt	540
ttcttcttgt	gatttgaatt	taaccatgga	agacagtgat	ggtgttaactt	atgcattaaa	600
gtgtgacagt	agtggtcacg	ccccagaaat	tgtgtctaca	gttcatgaag	attattctgg	660
ctcttctgaa	agttcaaatg	atgaaagtga	ttcagaagat	acagatcnga	tgatacagta	720
tttccaagaa	ancgctccat	ctgtgtt				747

<210> 1730
 <211> 749
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(749)
 <223> n = A,T,C or G

<400> 1730

gnttnactan	anatacaact	cttgttcttt	ttgcaggatc	ccatcgattc	gccaaagcac	60
acaaatggcc	taccatcttt	tattcttcct	tctagcttct	ggagagagaa	atgattgttc	120
cagtttagaa	tgccaggagt	ttactgggtg	tttgtatttt	ttatctgtgc	cttaaaaaaa	180
ttagattata	atgaacaaga	catctttatg	ttttacaggg	aaggaaaaag	cagtgaaggt	240
atgcattttc	gaaagaaaag	tgtgttgagg	aaagagagag	aggggtggaa	cccaaaggag	300
aaataaaaaat	tttaagtcct	tgttgacgta	gctggaggaa	gtgagcttgg	aaatctctcc	360
agcgcaatgg	ttgctggctg	ggaagaaaaga	tctgacttag	acacagaata	agctgcttgt	420
gctgggtgtg	tttgtgagct	gggtgaggtt	ttctgtgtcg	ctgggcacgt	gaggggaagtt	480
acgtggctgg	gggggtgggt	ggggggcatt	agaagggagt	atgggtgtct	gtgggcgctc	540
gcgtgtgcgt	gtatgtgtgt	gtgtgtgtgt	gaaanaanan	agagaaggta	aaattaactt	600
tgctctatat	gttggtttct	ctgctanagt	cttaaaaggaa	cttgacagctg	catttttatt	660
ggttcaattc	cacattctct	ctaggattgt	tggtgttatt	tgggtgatga	taaagccagg	720
attaanaacc	anactgggnc	aattnaaan				749

<210> 1731
 <211> 1116
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1) ... (1116)
 <223> n = A,T,C or G

<400> 1731

ntnannanan	agaggggnt	nnnttcttn	ncnnnnngt	nnagagggg	ggaatannnn	60
tgnnnatntn	gcttcntng	tgtgntgtaa	tnttgaantg	tgtggncggg	ggggggggg	120
gggtgtacta	attnatctta	tttaaactnn	nntattntta	ataatatact	attncttntt	180
cnganangag	atttttntnc	aantngntnc	tttatnnata	gnaggtntnn	tcnnnnanat	240
tnntgtnnnt	aggnntgatt	attannntgn	aatctgtant	tngtncnngn	antttannat	300
tnactgnnta	gtncattggg	tntnnntca	ntgttagta	cgngnattcg	cgtacgnnaa	360
atnttantat	agtnatatag	tgannnnnga	tntctntatg	tacagtanat	gtnagntcta	420
nncgtgngac	ntatgagngt	gantactnna	ganncgatan	ntaagggtgn	tactgnngat	480
aactnctcan	gaantcagtg	tgacgangnt	nagcggataa	tanganngaa	tggatangta	540
tatatatggg	acngtttncg	tacgatgtgt	gncagttnga	attagnagtt	agtgctcgata	600
gatagnttng	tntganatnt	gagatagtg	gctattatnn	tatagctcnt	tnnanatgng	660
nagnantttt	nnatatgtta	tattattcnt	tnacngtcat	antgtgtaga	cattagngac	720
tagtnctnnt	angtgngttg	ntnnngtaga	acgatnttgn	tngttgagnt	ttnnnatacc	780
ntaganttan	cattgnntgn	tntgtntnt	annatntatg	atngtatgat	gcagtattag	840
taaagtntnn	angggaannn	agaatnntan	nnncgttnan	ncttantnat	ctttgaanat	900
caagnnangt	ntngnagttt	ntnnngnttc	ntnnaaaant	nannnaatnn	nattnnngat	960
ntttntttat	nttgtnngan	aantngtgat	tngatatgta	tnctgaatga	aattaactgt	1020
tnnnntttta	gnananaatt	antggtaate	nnntgtntna	cncacnatct	ngtgatncgg	1080
ntggacatna	tntgnntggn	gngacntctc	nagtng			1116

<210> 1732
 <211> 748
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (748)
 <223> n = A,T,C or G

<400> 1732

ttgatncgtt	acnnctantg	ntgcntgtgc	aggatcccat	cgattcgaat	tcggcacgag	60
cgccatgttg	cccaggctgg	tctctectga	gctcaggcaa	tcggccacct	tggcctctga	120
aagtgtctga	attacgggca	tgagccaccg	catccagcca	gaaagataca	tatctaattc	180
tagaaatagc	atgcagtatc	agtcatagta	acagccatgt	gctgacctaa	ataaaaattc	240
ttgatattgt	gtatttaacc	tgaagtattg	agctagtttt	tttgttttgt	tttttggtgc	300
tgaacatttt	ggctctaattc	tttggcttct	tagaacattt	taaaaaatct	atgttttgct	360
atcagccaaa	gtaaatgtgt	tcacactaac	atataagtta	ctaaccctca	ttatacagca	420
aagctaaaaa	gtgggtggat	atttggggtc	ttaatgaaaa	ttgtatcatt	taattccata	480
aatattaaaa	tatttgggta	ccttttaagc	tttttttctt	tccttctata	atggnggta	540
caagttctat	attcattcag	tttaattctca	tttgaaattg	tttaaatcag	agtcagtaaa	600
atatttgtgg	gttttttttt	ggtttataga	ctcgagcttt	tcttttacac	agtttttttt	660
agggaaaaac	taaagctatt	anggaaattc	taaatcttgt	tgatgaaaaa	attgggcttt	720
tctttggata	taattaataa	aaagggat				748

<210> 1733
 <211> 753
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(753)
 <223> n = A,T,C or G

<400> 1733
 agaannatct ctttgcaact ccttggttctt tttgcaggat cccatcgatt cgggctgccc 60
 cagcggttagc agcctgtacc aggtctnttn cccgctctgc ccacggctgt gtacgacatc 120
 agaccaggca ctctcagggc cgctctccag ctcaccacag tgtctccacg tgccttacc 180
 cttctecttc aggccaaagt tgcgggggtg ttttattaag acgtccacta gaaatagctt 240
 gtccctgtcaa ctatgaaata tggtgactag attttaattc ataaccgtaa agttttttaa 300
 agttttgggt tagtaatttg ttttactaga atgacaaaga agatgtaaac cattttattc 360
 tgtaggcttt ttactcaatt atgtacaaac cacaatcag gtactgtatt ttagtgaagc 420
 attgctttta ttgcaacaga atagcttttg tggctatcaa atgaaatctg taaataggag 480
 gtggagggca agccatcctg actgagcagt ttttaaccgca gggttctaaag tgtcccgcgg 540
 agtacagata atattctgga aggttaactgt ttactacgac agagacgtgg cattttggaa 600
 acgaaactta agatgtttca tggagcttat tttgagaact ttcccatttc aggtttctgc 660
 attcangctt tacatggtca agttaactca gagaatcccc cactggttat catcaactnc 720
 tctgaaatgt gaaccttttn naacttgngc tca 753

<210> 1734
 <211> 690
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(690)
 <223> n = A,T,C or G

<400> 1734
 tnnntcnaat tcnngccgaga ttcgaccctn nnnnccnngc ctataagacc ctcttgcccc 60
 ccctgagcag aggactgtac cttgtaagct aaagctccat ggaatagaga ttcttgaaaag 120
 gacagattat gaaatggaca ggcaattcct catagaaata atggaaatca atgaaaaact 180
 cgcagaagct gaaagtgaag ctgccatgaa agagattgaa tccattgtca aagaaagaat 240
 ttactgacaa tgtgagcagt gcttttgaaac aagatgactt tgaagaagcc aaggaaattt 300
 tgacaaagat gagatacttt tcaaatatag aagaaaagat caagttaaag aagattcccc 360
 ttttaattgtg gatagtttaa agtttaaaaa ataaagtctt tgctggggcac agtgggtcac 420
 acctgtaatc ccagcacttt gggagggtga ggtgggtgga tgacaaggtc aggagttcaa 480
 gaccagcttg gccaacatag tgaaaccccg tctctgctga aaatacaaaa attagccggg 540
 catggtggcg cgtgcctgta atcccagcta cttgggtangc ccgangcagg agaatcgctt 600
 aaacccgtga ngtggaggtt gcagtgaagca aaagatcacg caactgcact ncactttggg 660
 caacagaatg agacttaatc ttgaaaaata 690

<210> 1735
 <211> 760
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(760)
 <223> n = A,T,C or G

<400> 1735
 gttganttcn atcaagctac ttgttctttt tgcaggatcc catcgattcg aattcggcac 60
 gagcttgata tcaatggcct gccatatggt ctgtgtgccg gctgcgtgaa tctcagtaag 120

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agcgccagcc caggcattaa cgtccctccc ggcacgaata gaccaggctt gggccagaat 180
gagaatctga gtgccattga ggggaaaggc aaggtggggg gactgaagac acgctgctct 240
agctgcaacg ttaagtttga gtctgaaagt gaactccaga accacatcca aaccatccac 300
cgagagctcg tgccagacag caacagcaca cagttgaaaa cgccccaagt atcaccaatg 360
cccagaatca gtccctccca gtcggatgag aagaagacct atcaatgcat caaatgtcag 420
atggttttct acaatgaatg ggatattcag gttcatgttg caaatcacat gattgatgaa 480
ggactgaacc atgaatgcaa actctgcagc cagacctttg actctcctgc caaactccag 540
tgccacctga tagagcacag cttcgaaggg atgggaggca cttttaagtg tccagtctgc 600
ttttacagta tttgttcaag caaaccaagt tgcagccaca tattttctct gcccatggac 660
aagaaagaca agatctatga ctgtncacaa tgtccacag aagttttnt ttcaaacnaa 720
cttgcnfaat tcatacaatg accccaccac anncttttt 760

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<210> 1736

<211> 750

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(750)

<223> n = A,T,C or G

<400> 1736

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gnntttgant ncanatacaa gctacttggt ctttttgcag gatcccatcg attcgaattc 60
ggcacgaggc actcggtaaa ctctgggact ggagccaaga gactgtgaga aatgaccttt 120
ctcatcaagt ttgtcccaag ccaggcttaa attgatagat cgtctagggt ttctgatgct 180
ggtaaagaga ctctgtgcct cagggacagg tctgcaaaga tcattaagaa acagattaaa 240
attagggagc aagacaagac aagagaaagt ttctttacgt tctcccagac ctctctgggc 300
ctataggcag atcaaatctt gcctctagat cagcttgagc aaaatgatgt ccacggtgtc 360
tgagttaggt ttttcatttt tatccctctt atagccatct ttagctgcag gtgcctttta 420
gagttatggt ttttggact tagggacatt taaaaataaa gaatgattat tgctcatgat 480
gactgngcta atgagtggaa agaacttgct ttttttctt cttttaacta acttagcctc 540
agttactag taaatgtaat ttttttctt tcttagaaga aaaatattta aaaaaaata 600
gatctggcct ctggcttgct acccacttg gaggagtctg ggaagtctag acaatgtcct 660
angagccaga cccactctgc agtcatttgt gaatgaatta ttgtatcata tgcngncttt 720
tgaattcata ctttgagcca aatcccactt 750

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<210> 1737

<211> 1191

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1191)

<223> n = A,T,C or G

<400> 1737

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caccnnnac ncaananaa nannnancan nacacancnn anaaanancn nnaacnnaa 60
anaaaccaan acnaannnaa cccnccnnnc nnaccacncc taccncacnn nnncccnntt 120
ttttttgaaa aaccctttnn nnnnganccg gnnccacnnc aacaccctc tnnccnnnaa 180
anncccaana nntanaaaaa caccatacn acccactatn tcacaanacc ataacacact 240
acnacatnaa nncntccatn catattcaca atctacacan nctacnnaca canntatact 300
natacacaca ctnatcactc taccctacac aatataaaaac aatntctaaa cnannanaaa 360
catacacnnn nnaactnnac ncctaatecn cctcnaacac ccnaancnaa anactacnnc 420
cccatccata ananaaaant acnccnncaa acanaccccn anaaaaannt naantcatac 480

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ncctcacaaac cccaccctna aaacaccacc canctnnnna anaccacaca ccttcccaaa 540
cnataacnca cnaanaanaa nannanaaaa aacacaaaca ccanaaanac nataaaccna 600
cnacnacata cncaaaaccc cncaatacan annaannnnn accnccanca cntanccant 660
acncaccnac ctcanncacc nnaccctcen aactccncac ccnancntca cacttccant 720
cacaacaacc ctccccacn cactcanaca ttatcacaca ccncananaa ntcacaacna 780
tnaaaacaca nccactaaan aanaatnacn nacncanaca acatntcanc cacaaccctt 840
actnaccncc accaactn tatcaccaca tcnannntnc ctncctncca tccttcnaaa 900
atactcaana taccncatca ctacnccata ttacacnacn actcaencaa nnannttaca 960
ctcactatca cancacaacn tctncacten acactctana cctccnanc ananacaaac 1020
tatcacaacc ananacnata cacacnatnc atatatctca cacancacca natnannnct 1080
anaaccana tntantncac anancantca cnaaactcac tccacttcaa cacntactct 1140
atcaacaacn ctacatcacn atatncatca acacatacna nanntaacan n 1191

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<210> 1738

<211> 745

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(745)

<223> n = A,T,C or G

<400> 1738

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ntttgattcg ntacaagcta cttgttcttt ttgcaggatc ccatcgattc ggttttataa 60
gtggagtctt caggggaatga ttatttgga attaggcttt gaaagagcct cagctgtgtt 120
ccacccctc caagaattca ggctgttatt tttcaaggct gccacagagg tggggagtgg 180
aaaatgagac tagtaagtta aaatactaca aagcttgctg ttcttacaga aattcagcca 240
tttttcttga ataaacactt ccatggattg ctgcaagcct tgattaattg ccagaatctg 300
aaatgggtgc ttttgacagt ttttttcca taggtttttg ttgcttttat ggaagagcaa 360
agttttggag gttcttcacc atggtcagtg acatcatttc ttgggtttgc tcttgcctcc 420
tctttctttc tgaagcatca taaggattag aatgatcctt gtgttgatga gttctctttg 480
tgacatgttg aatgatgctg tctgtggcac atncaggaaa tgtctaattc acagctgagt 540
ttcagaatct ggatcttgat gtagtcactt atttatagat gatagttaaa acaaaagtgg 600
attaataatgc ctaaataaag catttataat gaaataacca aagagcttct atatttgaag 660
ttggataatg ctccnanna aaannnnnnn nnnannnnnn nnnnnnnnnn nnnnnnnnnn 720
nnnnnnnnnn nncntttcnn cttnt 745

```

<210> 1739

<211> 735

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(735)

<223> n = A,T,C or G

<400> 1739

```

gttgacttcg ntcaagctac ttgttctttt tgcaggatcc catcgattcg gtttagtggt 60
cctccactgc tagaaatttt gggtgttcct gatttttatt ttccctttta taaatgtctc 120
tttggtgaac gttattagac ttacagtata atccagttga tacataagcg aatgaagaca 180
gtaaccctca aacagatgtg tgtgtggcat gtacattaac tgctatcctt tcagcacttt 240
gttttgttga aatggccatt tccattatgt tcaggaaaac tcattttggg aagaataagc 300
aataaatttg taattaatga aatctgggtc agtttttcag tttgtccagg ttttaagaga 360
agttaggcac tggcctagct ttaactgatg tctgttgcca gtgagttgag atcatcagga 420

```

```

ttgctctgaa tacatgccag ataaggacgc tgagtaccag cacataggca cgggtgaatg      480
ctgcttcaaa tgggtcaaat gatgttcacc cataaagcaa caagaacatg ttaatgacat      540
acgttgaatg gcacctcttg aagtccaaag tcaggacttt attgattacc atatgaagtg      600
tttcttgga tgcccagcat gtttccagaa ganctgctgg ggtgcatcgt ggggttatcc      660
agcttggnca tgaanggcag atctcaacta tgnatgtttc atcttttaaa caaaccttgg      720
catagaaacc acaga                                         735

```

<210> 1740

<211> 753

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(753)

<223> n = A,T,C or G

<400> 1740

```

nngttgatnc nttacaagct acttgttctt tttgcaggat cccatcgatt cggtaaaactg      60
tatatctgta atatgaatcc cagcttttga gtctgacaaa atcagagtta gggatcttgt      120
aaagggaaaa aaaaaacaaa acaaaatggg agatgagtac ttgctgagaa agaagagggg      180
gaagggagtt ggcatttgtt gaaagtatag tctttttctc tttttttttt aattgcaact      240
tttacttttag atttaggagg tctgtgcgag gtttgttaca tgggtatatt gtgtgatgct      300
gagcttgga tgcaaatgat cctgtcaccg aggtagttag tatagcaccg agtgaaactg      360
tagtctcatg ccaggcactg tgctagccca ctctggctca tttaatcctc tcctaagaag      420
agaggagaca cagcgtcccc atttgacaga tgcagaaaga ggttccacag gtgtgccttg      480
attctgccta aaaccgttnc cggaaactttt cctggtgtgg gcgcttctaa cctaactcctc      540
aatcgattcc agaactatta ctctgtttcc acagtgtatc tgtgtctagg ttttanggag      600
gacagttcat tgatgttact taaaaatgct ttccagggtg naagttcctt aagttttgag      660
gcttcaaatt tccttacagc cattaaaatc ccattcatga ntttgaaata ctgntctgtg      720
gcttggaat cccaatcaga atggttggtc gaa                                         753

```

<210> 1741

<211> 822

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(822)

<223> n = A,T,C or G

<400> 1741

```

agttgaatnc ntatacaact acttgttctt tttgcaggat cccatcgatt cgccttggtg      60
catgggcctg gagcctctgg ggaactctg ggaactctga gccgtctggc cctgagggct      120
cagcctcagc ctccacatct gctgttgctg gtccctggctg tggggtctca ggataaggac      180
atagccccct ggaagctggg aaggccccc atcaggcctt gcagtttcta acccaggagg      240
tggccgacag cagtgcgttg gggctgctg tccctgcaca cgaagccctg gggggtgaat      300
ggaggtcttc cctgtttttg ttagcattgg aggcctgagc agggctaacy cccaaccgct      360
tgcttaaagc gcataaagat gctgagatgg aaaacgtgtt gcatggtgta aaccatgcaa      420
agcccttcca gccagtgcaa gtgatcgagg canacagaan ggaaaccgcc ttttgcaaaa      480
gagaagctcg gctctctctg ggttacacag atcaacccaa actgngcaaa gctcacattc      540
atcccaactt cacaagcttg cctgcattcc tgtttcacia gcaccctcct tgnccggtg      600
aaccctttct tcccccaact tgaagtgggg ggggcttttc gggccttcaa ggtggggggg      660
tgttttgcaa gacacagcct atttgnctct tgnccctt ggaaacttca ttaaacnata      720
gaacccatgg ggcnataaga ncttgtttcc ttgaannccc caaggttcat tngcaacnaa      780

```

ttaacccttt ttcaacattc ananccaac agttaattgc ct

822

<210> 1742
 <211> 784
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(784)
 <223> n = A,T,C or G

<400> 1742
 nnnntntgaa ctnnttgttn tcnctgcagg atccctcgat tcgagccgag ctggggccgtc 60
 ctgggggatcg gtacagctcc ctgggggtntt nacaggccct ttgtgaaagt tgtgtgcttg 120
 gtcttccacc ccacccaac actgnttcaa atagcaccac ccagatggga gtncncatct 180
 gtggtggcaa aatgctgaca ttttccaag aggtcacaag gtgggagang cctgctgtan 240
 canaagtgtg tgttagagaa acaggggcct gatttagtng ccananactg ggtgagaaaa 300
 atggccanag aaagtgcact gccagctacc agtgtttccg aaaatgagggn tgggatggcc 360
 catttcagag cangacacag tcatncccat agccctctga ggaggggang gatgcttaga 420
 gcaggcattt cttgtcagnt ctgacgtggc angtgccatt gnaacttgtg cngaggagtc 480
 ttaggaagtg ctgccataat tcataaggtc aacancacat ctggatgaat gaaccacctg 540
 aaatgtgtgt gggctgagcc acaggaaggg tgaatcctct tgcttngngn gctttatggg 600
 gtgcaggttg cttgcttttc cacattctct cattttgctt gaagcagcct aacaaaaggg 660
 agttcccaa anagctccat gaaaacctta anaaaattca ttttctgna ggaccaaaga 720
 agaccaanaa tttgtntctt ggtcacactg gttgaagctt ctgtctttac aacntgattg 780
 ttct 784

<210> 1743
 <211> 751
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(751)
 <223> n = A,T,C or G

<400> 1743
 agttacttcg atactcctcn tgcattgctg cgntnancnc ttccgatcca attcggcacg 60
 aggtccatgc taatttctag attgatgttt tagccataaa aatgcagtat ttaataatat 120
 tttattttcc aaattatggg aaagcttcag aaatagaaat attcaatata attagtactc 180
 tctaattctt tttctagggt gaaaaatctt tgttttgctt taggttagat tatgttgaaa 240
 cacatctgtg tttcagatgt gtccagagct gaggtctcag ctgaggctcc actgaagcag 300
 gattcacttc caaaataaca gagttgttgc caatattcag ttcttagcaa actactggaa 360
 caagaatctg ttttcttgct gagtgaattt cttgccatgt ggccctctcc aaatgctgga 420
 cataaaaaag taggttgagc acaatggctc acacctgtaa tcccagcagt ttgggaagcc 480
 aaagtaggag gatcgcttga ggccaggagt tcaaaactag cctgggcaat atagggagac 540
 ccccatctct acaataaata aaaataaaaag ctttcattta caatgatggt agaccaaaga 600
 aatttgtcct agatcttcac tggagaacat ctgagaaaag ctggcagctg acaaaaattt 660
 taaaaacatc tgggctgggc ccggtggctc acacctttaa tnccaccacc tttggganga 720
 aaggctaggg gatcacttga gctcangagt t 751

<210> 1744
 <211> 742
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(742)

<223> n = A,T,C or G

<400> 1744

tacaaactac	ttgttctttt	tgcaggatcc	catcgattcg	aattcggcac	gagctttntt	60
gnatttttac	gctntgctgt	ccatgacata	tttctaacac	ctttatgatt	attgnncctg	120
cttgnaaaag	ggntggnatt	tntntgngtn	ctcngntcgn	agaaaaggtn	nntgtgcccc	180
cccttctggg	ggcagtttgn	cactttgctt	tccngtntcg	ngnnctnngc	ntgagatttt	240
ttnaaanact	cccgcangct	ttcacttagt	ttcattgttg	agaactnga	caggncctac	300
tctagctgca	aangaggctg	agaaagtga	cacagcagtc	ctccttatcc	ttggggaata	360
cattccaaga	ctggatccct	ganacagcag	atagtactga	accctatata	tactatgtnt	420
nngcctatgt	atatatactt	gatatggtnt	ggctgctacc	ccacccaaaa	tctcatctag	480
aattataatc	cccaaattccc	tatgtgttaa	gggtgngacc	angnggagat	aattggatca	540
tgggggcaat	tnccctgtgc	tgtcttgaga	taatgagtga	ctctcangag	anctgttggt	600
tttataaatg	cctggcggtt	nnctgcttgc	agcactncat	nttgcctgct	gtgaaangnc	660
ctgcttctct	tgccttctgc	catgaatgta	agtaactgag	gccttccagc	angcngaact	720
gtgagtaagn	nacctgtttc	tt				742

<210> 1745

<211> 745

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(745)

<223> n = A,T,C or G

<400> 1745

agtttaatan	anatacaact	acttggtctt	tttgcaggat	cccatcgatt	cgaattcggc	60
acgaggatgc	acgggcactt	tggaggaccg	agcgccact	ctgagtaaga	tcatccaggt	120
ggcgggtggaa	ctgaaggatt	ccatggggga	cctctattcc	ttctcagctc	tcatgaaagc	180
cctggaaatg	ccacagatca	caaggttaga	aaagacgtgg	actgctctgc	ggcaccagta	240
cacccaaact	gccattctct	atgagaaaca	gctgaagccc	ttcagcaaac	tcctgcatga	300
aggcagagag	tccacatgtg	ttcccccaaa	caatgtatca	gtcccactgc	tgatgccgct	360
tgtgacgtta	atggagcgcc	aggctgtgac	ttttgaagga	acccgacatg	tgggaaaaaa	420
acgaccagag	ctgtgaaatc	atgctgaacc	atttggcaac	agcgcgattc	atggccgagg	480
ctgcagacag	ctaccggatg	aatgetgaga	ggatccctgg	aggttttcaa	ccagatgaag	540
aaatgaatga	aatctgcaag	actgaatttc	aaatgcgatt	gctatggggc	agcaaagggtg	600
cacaagtcaa	tcagacagag	agatatgaga	aattcaacca	gattttaact	gncctctccg	660
taaatggnac	ctncttctgt	aaagcangca	gancctttgat	actcttcaaa	aaacctttan	720
aatatctttt	caagnttccc	acttt				745

<210> 1746

<211> 748

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(748)

<223> n = A,T,C or G

```

<400> 1746
agttgantnc anatacaagc tacttgttct ttttgcagga tcccatcgat tcgaattcgg      60
cacgagtgta ggcacaagat tttcttgcta gcggaatgtg aaccaaaaag tgtagaggcc      120
aatcagtaaa aatattcaaa gccagttttg ttgttttcag cagttagtaa ctatcagtag      180
atgaatattt actaggaaac attggtcttt taaccacttt gggcatgctt cttatttagt      240
atgttcatca tgatttagta tcatgacatt cagcgaacat ttattgagtg cctactgtgc      300
actagggact agtaagcatg ttaagtttgt aagcttttgt gatttccacc acaaaacctt      360
aggacctcag gttattctca taattgagga aactgagatt cccagtgttg aatgaaagcc      420
acacagtatc acatggccaa tatcatgtga ttgcagagtc aggactcaaa cccagctctt      480
aaccaccacg ctatactgac ggccctttcc cagttcacag ggaaaattca ggaacaggga      540
gagaatttca aaatattaaa gtttcccatc agaattttct gaagaacttt gggatatatg      600
tgccccttgg tcactaaciaa gttctagcag atgacagaa aaatgaggaa gtagctaatt      660
aatattaatg aacaacctca gaatttttct gagtgtggaa tagacttgga tattcaacag      720
tctcaaatat ttgaccatt taatggac                                     748

```

```

<210> 1747
<211> 737
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (737)
<223> n = A,T,C or G

```

```

<400> 1747
gnttgantac gatcagctac ttgttctttt tgcaggatcc catcgattcn naaacttctt      60
tgtcttttga atagtgtgcc tttaatagaa cacatatagc atagtcttag ggattagagt      120
cttctgactt cattactatt tttacagtaa tttatatctt ggtttcttca attagaaaaa      180
aaaatcgggc ctgatttttt atttcattta ctagctcagc tgttctcaca cctacctgct      240
gaattagaag ggacaagtat aatccatctt cttttcttct ttccctcctt ctgtaataat      300
gtttttctat ttgacgggg taattttttt ttttttttga gataccgctt gctttgtcac      360
ccaggctgga gcacagtggg gcagtcagtg tttgtctgag cctcaacctc ctgggttcca      420
gcaatccttc tgccctcagc tcctgagtag cttactacag gcatgtgcca ccatgcctgg      480
ctaatttttt gtagagatga agtcctacta tgttgtccaa actaaaaagt aatttttttt      540
tctagaagaa gtttanaaga tttaggangg aaaggggtgt ctttaaaatan gcttcttttt      600
ttcctggggt ggggtgcata atcttctctg gtaccaggt tggaggcagt ggcacggctn      660
cagcactgca nctctgcctc caggtcaagc tattcttctg cctancctca cgagtggctg      720
ggatacaggn gctgccc                                     737

```

```

<210> 1748
<211> 753
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (753)
<223> n = A,T,C or G

```

```

<400> 1748
naantgaatc cnttacaagc tacttgttct ttttgcagga tcccatcgat tcgaattcgg      60
cacgagccag cattcaaaat tcccatgctt nnggaatcca ttgggacttc tccccaggat      120
gtactgaatt caaggaagct ttctctaggt gtagcagaaa ctgctgctgt catgtctctg      180
ctcaccagga cgtagcttct ctctacagac ctttatttct ttccctggag gcttcagtc      240
atgttgaagt gtaaactcca ctcagctcca ggaggaatcg tgttttcttt atcaccaggg      300

```

```

gcttcttcta cgagttgcct ttgatagga ggccaggagg aagataggcc caagctcagg 360
gggtgggatcg gggagcagga agcctgtggg ctttagaatc gaggtattgg tttctccctg 420
tcaccatcat ccaccacctg tgtgaacttg agccatttat cgaacctcac ggagcccca 480
gtttctcatc tgtaacaag gggaaatgagc cctactttgt atggttgtca agaggatttg 540
agacaatatg tataaagcaa tggacacgca gaggaagtca ataagtacaa ggtaactctg 600
aaaatgccac caaaggagg ctagggacag gaaaaccatc tccgcccaacc tcaagaaccg 660
tggtcccgaa acttgttcca ggaactgggc attgtntgaa gataaaaaaa aaaaaaaaaa 720
actcgccctn tanaactnta gtgnnctat tac 753

```

<210> 1749

<211> 918

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(918)

<223> n = A,T,C or G

<400> 1749

```

atggnnnnnn ttttnnnnaa attntttccn nnnaaattac cttcccaaag ngccctttgg 60
ggccattggt ntttttgttg ggccaagg gaaatcccc cnattcccgg aattttcccg 120
gttttttttt taattttttt gggaaaaaat aaccttttgg ggncttgagg acttttaaca 180
aaaaaaagga acttttcccc ccttcaacaa cttttggaac aatggaattg gaacaaaaaa 240
agcctgggtt tggcaagtgg ttttccctng cancggaatg gaaacaacca aggaaacctg 300
ggggaaaagg ggaagaaaga aacctggggg gaatggaaag tcactctggc tgggaatgga 360
cctggctttt caggctgact ggcccccgcc catgggggaa cctatctcca ctggctatgg 420
ccagctattt ttttcgagcc aggcctctgc tctgttgccc aggcctggagt gcagtggtg 480
caatcactgc actgatctc ccacctcaac ctacaagtag ctgggactac aggcgtgcac 540
caccacgcct agctaatttc taaaattttt ttgtagagac ggctctacaa tcgcttgagc 600
ccangctggt cttaaactcc tggacccaag cgatcctctg tctcggnctn ccaaagtgtt 660
ggggattatg ggtgtgagcc accgtgttgg gccttttgcc caactatttt gatgcccgaga 720
cctgcttcac ctttgtgtat tgaagcccg tttgnaaacc gtgtgttgtg gtgcctttat 780
tgnacatcct ccaatnggcg gttctttttt actctaattg tcttttgggt tccccctca 840
gaagaatcat gaaatttgca ccagacctaa ttttngggg acttttgggc ttattgatgg 900
atttggaata tgaaagaa 918

```

<210> 1750

<211> 1320

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1320)

<223> n = A,T,C or G

<400> 1750

```

caaaannnan cntnnncnanc nnnatttntn atnatctaan ngtggggggg ntttgtnttc 60
aaatacnent tntttttttt gcntaaanaa tccnccntcc aatanggtnt annctanant 120
tnagnncggg gggnnnttaa tctntatctn aatnttcnnn nnnannnccn cgcnaacccc 180
ccctntatac tntngattat angngcnatt tcaactcaata taatnangtg taggagtgtc 240
nctncccccc cttactnttt ctccatatct nnctaacncc tanaaatnta gganacttctn 300
atcacttctc catntntctc tcanactnna tnnanccac nngacncttc tgtattnnnt 360
nncnangnc ntnnnctntn acataacatt ctacncatna nacataccct atntacacct 420
ttcgctncng nctctttnt ctncanacn naatctana ncnaactttn aatancntnn 480

```



```

tacatnnnct cacatnatta cgagtnacnt ttcttctgca aacatatecca cctntcanta      540
nntgtcatga tcttntaanc anateccgtn tctctctaca ttannatate tnnntattn      600
nctcttttct nntntnctat tnaantctna ncnctntnna tnttncanct ntncctana      660
nttntcactn tnatcatata nctatcnaac catatnnntc nttnataatn tnnanctctc      720
nnctattntt tnnctangn ctntacnaa taenncact atatatncnc nctatcanan      780
ttctacacta atatntannt acacnctac tctttctcac tnacncacgn natatctacc      840
tnannnnnct nttntnnnc tnttctnan cactcatcnn tgacctnan acgtcacatc      900
tcancataca cntccttctc tactttnacn canactactt cnanttcnct nanctnntct      960
nntctctntc tgntatecaca cacactgna ntgnccgtn gactenttcn ntcatactnn     1020
ctntcnaact tncnctncta antcanctct nctnctntat atcacatnan atatatctng     1080
ataacttanc atcnnngnt antgntntat atatccaact canntncncc actnnnnnaa     1140
nntnactntc atcnnctat atcactnacc ntacatntac ctcatanctn cnatcntaaa     1200
caanacncnc tctannatnc ttantacatc tntncnacct cnatantcta tntataatac     1260
tnctnntatn tngntccta ntntaggtca tcnangnnac ncactcntta ncnatcacn     1320

```

```

<210> 1751
<211> 1031
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(1031)
<223> n = A,T,C or G

```

```

<400> 1751
gnncnnnntt naanagtggg ccngtgcggn ttgaancccn tancctngcc tgggtcnenn      60
tcngtnnnnn ccgtcnntta ncttcggggn aatannanng gggttttccc ctctttatcg     120
nataccntrn angngggntg ntnggtgtgc tcnncnntat antntgttn cntnccgtn      180
agcanntatt cngcncantt nccnncctc ccncttctta ccttacnttn nannnnctcan      240
gnntgntnng tntantgtt nntctnnan ncnntntnt nncaatgnaa ngctcctant      300
ctcacntntt actntgtggn aaaangcnan tatnnttctt ctcnntnag ntntcntnct      360
cnnnncnate ctenatannn cnttcatctn ctccccent gnatattcan aactccattc      420
ntcnctatt nncgtngcc tttnatcgtc ntgtgggnn tccentctnt ntnacancn      480
natactgtnn tgctgcata canntacntt ancgannnnn actntctca caatactnn      540
ttnnctnact cnnctacnat gacgatnatt nttcactctn gtntantgt ctagtacnnn      600
taatntantn nttctctc ctaanntnct ntnattgtnc gntnatcttc ntaggnnnnan      660
ntctattncg ngcnctac actnatctnc ntnactntnn tacngtggnn nnnncgnaen      720
ctgcgccct nggtctct catnnntnct nctnnatct ncactnttt ctcttctcta      780
nactctncg atcancctct atntctnat ntntcatgn ngccacgna ctnccccnc      840
nttgcgntc ngatntncc anggtctcn attntctna acagggtcnc ttccggacat      900
ccnatatnnt cnnnnntcan ttogaantn tntnctnnt tntgaanntg acnnntntat      960
ttctgntc actcccttac tgtacntna ctnaccnga tttattatna tccccntnt      1020
cntngntcnc g

```

```

<210> 1752
<211> 692
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(692)
<223> n = A,T,C or G

```

```

<400> 1752

```

```

ccnncntcna attcggcacg aggggagctg nnnnnnnng tctagctctc agcagagctg      60
ggagcaaagc ctggccgccc accccaacct ggggctgcct cccactccgt gagatgcttc      120
tgtctcctgt tcaactttgtg tggtagtttc ttattttcaa aatgcattctc atttgatcat      180
tactgtgacc ttgggaagca gcaggacagg gatttctttt tagagggtgca aactgctcag      240
aggggacaca cctcagcctc tcaactgtggg tacacgtggc gtgccatgag tggggaagag      300
caacaggcga gatgcctcat tctactggaa catcactgtg ggtgaacaga gatttccagg      360
ttttccctct taaaatattt gtcccacacc gacaagagtc cagtcaccag gcctcaaagg      420
aacttctgct tgtagcagcc gcctcccctg tgcccagcc tccttaatgt gtgcactctc      480
agagggcaca gctcgcgagg ctgggttttg gggccaagtg gcttgttcat tccagcatct      540
aacatcataa aggtgggccc agatttcttg attcgaccac agtgctgttc ctaccacaca      600
aatatccatt cctgttttgt tgaagcagcc actggtcctc ttgtttcccc tgcaaacgga      660
nggacctgca gtgcccattc attcaacccc cn                                     692

```

<210> 1753
 <211> 1239
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (1239)
 <223> n = A,T,C or G

```

<400> 1753
ttntnntnag aggntgnnt tgaagcatnc ttaagggggn ncttttgaaa gtggngntnc      60
necnatnann gangncganc cntttctttt atnatgcatt gaatnaaagt ttatgntnnt      120
taccgnagnn atgtgnnggg agtgatattc ctnnntana ttatgattct tgtgntangn      180
agatannatt ngnntgtggn naaacnttcg gnanntgatn cntntnmntn tncaaaataa      240
tnatcnccat antttctagn nggagaaaaa aagngtntcc gnatnagtnt catatgnata      300
angcttntnt ngegggtata gattgtgtat ctentntntg negatatang cacctgtntt      360
ccgnatacta tngttnnnga tanncnntat nttacntttg aaatgnngca nactnnntng      420
ggnaagtgtcc ntccgnaatg tnactatnac gcgntntttg ganatgnact aacacnatng      480
ntntntcgn atcgttncnt attnttattg tntnctatgt ntentctgna tncattatcn      540
tntcatcnat atnnttttac tggcctcaca gatttgnggt cnaanattgn ntgnanactn      600
cnantgtanc nganatncta nnntcatnt angancantn atatgtattg gattggatag      660
cnattantaa taatcnggan cntanntnng cgantnntac ntcannaana gatantntnt      720
ttatatgaaa ctntctggng agcgagaach ggggcanttt cgtggnccta tntatancgn      780
gntgttnttg cgtaagatat ttacgagctn cttntctgta nncctngatn acntnnanaa      840
tanacngtn ncntatatga gaagtgttnc atgtttttat antgcngrta ttactnnatg      900
naatagatna tntgtgtaan agagataatg tgnntnccgnc ggtntgcaac atagcatagn      960
gaatgnnacg agnngtgtaa gtgnatcata tgaaatnant ggtnttcacg ctangttana      1020
tcgtatcncg tgnaantgta ngtataaggt natattngaa ttngaaacnn ntatnnntat      1080
ggnatnctac gtnggggggn tgnngtttta ntcagaggat attatttcta gtgcanngtg      1140
gtaaagaaaa nanatntnat gtatntgtan gantnannnn tcgatganng natangntng      1200
tntnnanngn ataggnnant cggcgtancg atnangngn                                     1239

```

<210> 1754
 <211> 674
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (674)
 <223> n = A,T,C or G

<400> 1754

tncgggggcc	cggttttaag	agcacaagga	gggaaagtaa	cgaaagggct	ggactactat	60
aaaagttaca	aatacgtagt	tagaccaata	gatttatata	agncaggntt	ttgncatgta	120
attnattaac	taactattac	agaaacacag	ctaanaatat	caagtatttc	tctggctctt	180
gacagaaaaa	aatcagttga	cttaaccctt	tgtgtcaaaa	agagttggcg	tttcctgttc	240
tgggtgctac	tgccaaacgt	tatggtactt	agagtcggga	tgcaaacctt	caaccaccga	300
cttatcaatg	cagcncgcct	gtgtattgca	attggccgtt	accttaanca	ctgagccacc	360
cggttttagt	tcagccattt	caagaagtat	atttaacgtc	ggtagttctg	ctttattaaa	420
atgcancaga	ggtactcttc	tgtncctncc	gtttatagtt	ntctgaagag	agttctatct	480
tntggnatng	gtttgggttn	cttttgcatt	tttngtatct	tngtatttat	ccctgaacat	540
gttttnnacc	tttttttttn	ttaaaaaaaa	annaatcntt	ccgnggtttt	taaaaaaaac	600
ctacgangna	annccttgaa	gnaaatgtgg	cggtcncctt	aaaaggtctc	tgttgcnnga	660
agggnntaaa	tccn					674

<210> 1755

<211> 967

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (967)

<223> n = A,T,C or G

<400> 1755

tnnctntntt	ttagngggnt	tnttnnttta	aatccctnnt	ccatagagcg	ggngntntnt	60
cttttannnc	cnnncnnngg	gctagagant	tcaannngnn	tggegnnnnc	ctntatnnc	120
tcccacaata	nngggatgna	ncntnnntnn	actttatnaa	tctctntntt	ntctcnaacg	180
ngtgatntng	ntttagtntc	ntcgccgctt	tcnccnggnt	ggntcnaant	tgtncaatnn	240
aggnaatccn	tttnatcnan	natcatcatc	ncnggtntatc	tggtcncctc	ancgncaccn	300
tnanntccna	ntnncttagt	ctcnnnagen	anantatntt	natagtnacc	anatcttttn	360
cttnaanggn	aatacatatc	ctcctnctna	gaancgngnn	catctagann	cntntnttct	420
ccncttantn	ngctcctcna	ngtnccttat	aagtncnntg	cntcnaaagg	cgaaaaaata	480
attnannttg	nannncgttt	cattnacann	cngcannggt	atnnnaganc	gnantctctt	540
ttantgncct	taccctttta	ccaantctan	tnatattnna	anttgnaacn	ttatntntgg	600
ggntaccnan	acannatcnt	ctcgngnggt	anacntgnac	tnnnctntgt	nncaagntat	660
nnantntgnc	atgtgnntnn	cttgccctagt	ggtnagggtat	tctnaaaatt	tnntaantcn	720
taaatttanc	atgccaatg	gnacgtaata	gtatcaanan	tntggtnnat	tttntggan	780
cctttntcng	tanannnggg	ggntannngt	gccttcantt	tcannccatc	anatgntttt	840
ncaaagattt	tatngtactc	tnctnttana	ttctttanag	ccaannnnng	aagncncngt	900
tcacttttctg	nanntaagan	tntnncttat	gnntctcttn	ctanaatntt	ctntctccta	960
ngtnnnnn						967

<210> 1756

<211> 734

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (734)

<223> n = A,T,C or G

<400> 1756

ccnccnctcg	aattcggcac	gagaccttta	cctgcaacct	ggctgagaat	gtgtccagca	60
aagttcgtca	gcttgacctg	gccaaagaacc	gcctctatca	ggccattcag	agagctgatg	120

```

acatcttgga cctgaagttc tgcattggatg gagttcagac tgctttgagg agtgaagatt 180
atgagcaggc tgcagcacat attcatcgct acttgtgcct ggacaagtcg gtcattgagc 240
tcagccgaca gggcaaagag gggagcatga ttgatgccaa cctgaaattg ctgcagggaag 300
ctgagcaacg tctcaaagcc attgtggcag aagaagtttg ccattgccac caaggaaggt 360
gatttgcccc aggtggagcc gctttttcaa gatcttcccc ctgctgggtt ttgattgag 420
gagggattaa naaagtcttc ggagtacctt tgcaagccag gtgggccagt aaaagcttga 480
ggagaatctg ctcatggtgc ttggggacag acattgaagt tgatccggag aagcttccan 540
tcattttttg caagataccc cttacttctt tcttgtttgg aaangggat tngccccca 600
atttggtngg gagaaccccc cccancccc aanggangcc ttgaaaccga aaggctttgt 660
ccttggcctt tggggggggg annantcttt gaacaaggcc ccaaaaancc tttttcttac 720
cngggcttgg gccn 734

```

<210> 1757

<211> 654

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (654)

<223> n = A,T,C or G

<400> 1757

```

ccnognctg gaantatgtc cctgcaccca aagaaggttc ttttgaactt tatggagacc 60
gagtcctgaa actgggaact aacatgtaca gcgtgaatca gcctgtggaa actcatgtgt 120
ctggatcatc aaagaactta gcctcatgga cccaggaaag cattgtctca aacctctttg 180
ctaaagaaga gctgaatttc ttggccaggc tgatgggagg gatggagatt aagaaaccca 240
gtggccctga gcccggtatc cgggtgaatc tctttaccac cgatgaagaa gaggaacaag 300
cagcgctaac caggccagaa gagttatcct atgaagttat caacatacaa gccacccagg 360
accagcaacg gagcgaggag ctggctcgaa tcattgggga gtttgagatc acggagcagc 420
caaggctgag caccagcaaa ggggacgatt tgctcgccat gatggatgag ttatagctgt 480
tctgaccagg cgtcctctgc ccccaggagg aggtgtctgg atgggtgaccc ctggggaatg 540
ccccatggcc cagaatgatg ctgctagttt tctactgagt gaagccatta cgtctatttc 600
ttattttatg tgtaaggaaac tgtgtgagtc tcctttgagg agcactcact cttg 654

```

<210> 1758

<211> 668

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (668)

<223> n = A,T,C or G

<400> 1758

```

ccnccnccg aattctggtc ctcccttcg agcaacgttt gcaacgatga gaggatggct 60
gcaggaaacg gcaatgagga tgactgttgg aatgggaaaag gcaaaagcag gtacctgttt 120
gcagtgcagc gaaatggatt agccaaccag ggcaacaacc cagagggtcca ggttgacacc 180
agcaaacagg acatactgat cttcgtcaa atcatggctc ttcgagtgat gaccagcaag 240
atgaagaatg catacaatgg gaacgacgtg gacttctttg atatcagtga tgaaagtagt 300
ggagaaggaa gtggaagtgg ctgtgagtat cagcagtgcc cttcagagtt tgactacaat 360
gccactgacc atgctgggaa gagtgccaat gagaaagccg acagtgtctg tgctcgtcct 420
ggggcacagg cctacctcct cactgtcttc tgcatcttgt tcttggttat gcagagagag 480
tggagataat tctcaaacctc tgagaaaaag tgttcatcaa aaagttaaaa ggcaccagtt 540
atcacttttc taccatccta gtgactttgc tttttaaatg aatggacaac aatgtacagt 600

```

ttttactatg tggccactgg ttttaagaagt gctgactttt gtttctcatt cagttttggg 660
aggaaaaag 668

<210> 1759
<211> 1381
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1381)
<223> n = A,T,C or G

<400> 1759
aagnggggaan cagngnnacc acgcacanna nnnccnnaag gngggggggg nnnnacacca 60
nnnnnnnnna nnggnngac gngngaaaaa nccccccnc nnnnnacccn nnnnnannca 120
gnnncgacgg gnggggggna acnncncnaa aaacgcccnc ntggngannn nnncccttta 180
ccnccccgga caannaaccc agcccagggg aaagnannna cacncgannn gggagnaggg 240
ccggcaccnc acaatannca cacacnncga acntaacgga nngcggnan ancgtaacaca 300
acnccnacga naccanaann cancanaaaa cannancacc cagncaccac ntcatacctn 360
ctngnanatn atacntcatn atnctgccat atcatcncna cagtnccang gncgngcag 420
atccanacaa tactacgcgc agcaagggnac caacanaaat naaaaaancaa ccanggaacc 480
ccccacnaca cacnncgnnc gcagaannna natanaccac anctgntnca naaacnccac 540
nnagngaaac ngccagcnga antcagaacc ngncacntc cagcaccana nnagngggaa 600
ccaaccaagn ccagatngcn ancaatanna ncacncganc cannacaatn ncnacnacn 660
acnnngnctc nnaaacnnc naaaaaaagt catcgnnncna ccacnacgng nnaaaaaacnn 720
nntacgaca tataccancn naacnngcnn nncgncnnac gcaagnncan cncacnncta 780
tngcnanct nnaancgcnt gtcaatnntn acgcccngnn nacngtagac nactgganca 840
nacanacagn ggngccacgt tgaanaatgc gmntantacg ngatgngnac acaaaaaaac 900
acnccncnca gacgcgcacg acnnncaccc gnggggcnna ncannaaann ntncgnangg 960
acaacgncac nngntncngg anaccgcant aaaantccan nccaaanact anngtgaggac 1020
gaaaanncnc gaggacanan acnganacgn tgaaggacna nagctgcaa ngggcnacac 1080
aacgncang ctgaacanac cgncaacaac ngcntncatn nnnngngcgn cacngacnac 1140
atcncaacgc gcgtnaaanc nanaacgggn acacacannn aataanacac acgcangaaa 1200
agaaaaaacng gnaacgagnn gaaaaatnga cccaaatata aagmncnana acncangcag 1260
gggcacgngg annggggaca agngaaganc ncggncngn annacncgaa aggcngagnn 1320
gaggccagac acacacaaaa actacatcag gaagacnagg aacnngaaaa agagaaaaanc 1380
n 1381

<210> 1760
<211> 1027
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1027)
<223> n = A,T,C or G

<400> 1760
aacncacccc annaaaanna anacnanaaa anacatcaaa aacanacnna aaaaannnaaa 60
aaaanaaaaa nnaangggaa aanaanacan aagaaanggg tcaaaaaanc annnacatna 120
cnatcnnaac nncgaanmtn cnaaaaacca ncnccnnan aannnaggnt tttnaaanmn 180
cncccaaaan ttttntaan acacataaaa antttacngg ggggaggnat aaaaaaaat 240
aaaaagtnc ccnccnatat tcactcacia ntccacacia catacnannc anaaaacata 300
aantttnaaa ncctgnagtg ccnaaataaa tgacacaaan tcacaaaaaa tatcanagca 360

```

cnnanagncc attatcnaaa acnctaaacn tnttgnenca acctnnanaa atnaaaanct 420
cncaacncat ctannanaca nanatanata aaaaatnaac ncantancaa atnnncaata 480
aaattaaaaa aaatnngnnn naaaanccan tcananaatn atataagnac nnactnatat 540
acatcattct acatcaaact aaanaaaaat ccaantatnn taaaacnana acaatncaaa 600
acanccatac atananattn annttnanac tctaaaanaa nncaattctn nnatcactac 660
aaancnctnn tnncantnac caactanctn nancanccta atcannanac tntnatnaaa 720
atntattcct nanaacntaa caaaancacn nannanctnc actnnntact naatntanac 780
tnnataanca aatancaata nnnanata annacannac acnantntna taaacaacac 840
tactacgtaa nctactacac nacacatatn nctaacaat tnaacnatac gaccatcata 900
atntaaactn nttannnant nntnntanc nactaaanat acaancanna aatntcttna 960
anancancnn tntatnana aaacantaat caatctnact acnnntaacc aatnnncat 1020
atatnnn 1027

```

```

<210> 1761
<211> 670
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(670)
<223> n = A,T,C or G

```

```

<400> 1761
ttatcgaatt cggcacgaga cagtcacag gacctcagtg tgatacagcc aattgtaaaa 60
gactgcaaag aggtgactt atccttgat aatgaattcc gattgtggaa ggatgagccc 120
acaatggaca ggacgtgtcc tttcttagac aaaatctacc aggaagatat ctttccatgt 180
ttaacattct caaaaattgg cttcagctgt tctggaggct gtggaaaaca atactctaag 240
cattgaacca gtgggattac aacctatccg gtttgtgaaa gcttctgcag ttgaatgcgg 300
aggacaaaaa aaatgtgtc tcaactggca gagtaagtcc tgtaaacaca gaattaaatt 360
aggggactca agcaactatt attatatttc tctttttgc agatacagga tcaactctgt 420
atgtaacttt ttacatata ttcgatacat tcagcaggga ctcgtgaaac agcaggatgt 480
tgatcagatg ttttgggagg ttatgcagtt gagaaaagag atgtcattgg caaagctggg 540
ttatttcaaa gaggaactct gatgctctgc gtgggacct gcctgactcc ccgaataact 600
gaaaaatggc tgaatatatt tatgggtact tggatatatta tttncanga gtgagcctaa 660
nactttttcc 670

```

```

<210> 1762
<211> 1558
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(1558)
<223> n = A,T,C or G

```

```

<400> 1762
canggaacaa tcnngantnn tatnantacc ncnntgann nantnnttgn nttnananna 60
antnacctng ngagtaanat natnnncnaa ncnntcactn tncgatantn nntacgntta 120
tttnantngn naaanttnat nnaaaanta anactaatnt cgttnttggg ggtntaattg 180
taccctngat acccnaaat nggntanaa atttncaang tnnangattc gcaagcnant 240
tantcanaca atngnaatnn taaccnag tcnnaanagg ggngtntntt nttnntnnnn 300
ntnnannatt naccanta acnatnntc atcnatnant agnctnnnga atannataa 360
ncanactnc aatntcnacn gtacntatat cnntantana nntgtnaata gaancgaaan 420
agntnnagaa nnatnanaat ntgtcttnaa tnnancnnan ntaccnang cggnnacnag 480

```

```

naantancgt gnnngantaa cgacnagnna antcnaate ntacagtnat tcacgnntgt 540
antgctcata cgnnagcant gtcacntatt atncancnc anttgnntcc ngaactgatc 600
nagnnatcac aanatantan antacanata ttaactgata tttncangan natttnnacn 660
cantntanna ctcanganen tncngnctn gttgcacatt anancncnta acacacatca 720
cnatanacan cancantnna tacnctcngt gcagtaentg ntanctcttt tcatgaagnt 780
aatgncganc nttnagaaaa nancncanat tctnancnaa tacanngcta acatantagt 840
ataatacana tacganttn acatntgnca nttacattna gagcaccgnt ntacacaatt 900
gttcnactga ntatatnnnn ngcagtaaca cngctgtnc ntcacnngtc acnanannag 960
nanncntnac ntgtaattan ntgnagctaa atcnnacagn agatanatnt aantatcngn 1020
catatcgnt tntgatata nntnctnctc tctacgctnn cgcatttang anntcnatat 1080
agcnnanncn tnnctnnana annanncgta aatnatnctc tacnttnnat atntaacgaa 1140
tcntaanttn ntatctatnt atacanngca ctatcntata atgnnacnat tntnatcgn 1200
caaaantctt ntantatcna tnananantn nctngctnca nattantann aacnnactcn 1260
nccgntnnca agntntnnca nattanntn ataaatcant gntatgatga tgagctcnca 1320
aancatcncg tagntgtng tatacnncna gnnangtata agacnacttt ncacnnnact 1380
acgnatgact angannatat ttntncgng tncctcatnc nanganatc cataanannt 1440
ggataanntt tactgagata cnatctnncg attacatnac nccactacat ctgtgattac 1500
aactanagna tagaaatnan cncntnctc tctnaatnt atngantntg tgagatnc 1558

```

<210> 1763

<211> 682

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(682)

<223> n = A,T,C or G

<400> 1763

```

nttcnctgac tnannanctn cacaacactg ntancttgac tgtanctatg taataacatt 60
agatcccccta attgtaatta tattgggttt gcacagaaca ctttaattctt cccctcacca 120
atgtgaagtg aggaatcagg agtcaaactg tagaactaaa atttgacttc agtctagcgt 180
ttccttggtg tttttaggtt gctttggtta gtttaggttt gctatatttc tgattgctta 240
gaattttggt ttagcccttt aaaatcagat cataaatatg aattcatact tctaagggaat 300
tttcttgcta taagctggag tttaggtgat gtataggttc agttgagaca tttttggaac 360
aggcaaacc ttagttaaca taagatatctt aacagttgaa gatagtgtca tggattttta 420
tcttttttag caagtaatgc taagaaccac tggcctgagc tactactctt cagtatacat 480
tattaggatt gcatagactt actagaggaa cagtttcagg ttttgatgct aatcagtggt 540
tgtgtcctaa agttgtcctt tgtgccttta aaaaggtttg gatatatctt ctangtttaa 600
aaattgctta ttaaggaaat tcattttant aattgcagggt ggggaaaagt natgggtcaa 660
ntaaccacta gggttaagact at 682

```

<210> 1764

<211> 678

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(678)

<223> n = A,T,C or G

<400> 1764

```

antaacgaat tcggcacgag gcanngtggt gactaatata gtaaatgtct ttatagtaat 60
acgtgagtaa tcattaattc taaagataga attattatta caataaaca acttttagtca 120

```

```

catattggca gtttttctat ttcaaacaca gcaccagaga tcagagtcca cttgaaactt 180
acatttgtgt tatttaacaa tttttctgta tctttttcat tgggtgtttt ttttgtttat 240
cttttgtttt tgtttctttg gtttggtttg tttttgtttt gttttttgag atacgatctc 300
tgtcacacag gctggagggc agtggcacag acatggccca ttgcagtctc aaactcctgg 360
gcttaagtga ctcttctgcc acagaagatg aggaagaata catttttcat agtgatgggg 420
tctcactatg ttatctaggc tgggtctcaa ctcctggcct caagcaaccc tccaccttgg 480
cctcccaaag tgctgggact atagacatga atcaccacac tcagcttcca tgtcttttta 540
tgaactangg ttccctaatta atcagataaa tttggtatct tcatctccta acttgccata 600
tgttttctgg gaaatcttat aagcagccga gagtggnngc tcacgctgga aatcccanca 660
cttttgggan gctgangg

```

```

<210> 1765
<211> 1415
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(1415)
<223> n = A,T,C or G

```

```

<400> 1765
ctnntaatat acnnanaca actncnantn nantatttta ncntaanntg tnnactatn 60
taananantc tnnnctnaan acaaantnag tannctttgt anattcnngg naatctcttt 120
nagaannnat catntnaagt atatcgnacn agctcattaa tatnatngaa ntcnatan 180
nagaataata tcaannacta aatcaacacn cncaanntaa tatcgaattc gggncgaaga 240
nnaaacgcaa ctagnncacn cggggnnggn gnagaccnta caaaaaanat annaaaaaat 300
aattaataag cccancttga ncctnattan gggggnnmnt ttataaaaaa anctntnnnc 360
cancanacat ataactnat atanaataaa ttnttactta naatnatagn nnantatnnc 420
tatnaggmnt anataaanac tnaattaaen nanaatttna nattagagna gaaantcata 480
aanacattaa nanncgacta nctcttnaaa gtngttnaan ttgntanann catnnancnt 540
atactatatn ctatntect ntaatncaca gacgtntntn gagantnnnn ttcnntnata 600
nnntattctn attcagantn gcgnattata tatatnatna taaactatag anntcatatt 660
atcacanatt aaatanccgn ntcctcagat ctgctncntc ttataanttn tnganataag 720
tacnaaatac anatacactn tnanagtctt aaatatcaat angaacaana nttatatata 780
tagtacacgg tntcttatat nataananta nntctctat taanntctcn nntactata 840
tntcacnnaa annatcnaaa tcgaanacat nttnttatta ctncgtntnn gntacnnnc 900
aatgtcaaca ntttnatacn nccannaaat cttctnntn aatngncnga ntatacntan 960
cnnaantant ctngtagtt tatancaaac aggacaancc attantaana nctntnatna 1020
natnncatan tntaaanat atatctcnaa ttananaacat anaatanaga taanntnatn 1080
atcnttaanc anantattan atantanaat anntnaatcn tnaantanna cntntcctc 1140
tactancnnc tctntnttta agctatantg agttcncgca cntatntcgg atnctancat 1200
ctataacata ttaataatat nnatatatat nnagttctgt aacactcaca anacgcgctn 1260
anncgaaann ncagantata tanacatata aaacnntann attatcttct ctntatattc 1320
tntttacaca ntctancnta nttntctana annatcatna acaattgttg cgactatcat 1380
acantcataa tcaccaanca gtcacggnga gngcn
1415

```

```

<210> 1766
<211> 673
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(673)
<223> n = A,T,C or G

```


<400> 1766

tntcacaatg	tgggaactgc	caaaccaaac	tgacgacat	cgacggcgta	cctcacctca	60
tcctcatcgc	ctcccagagc	atcgcggctg	gggaggagct	cctgtatgac	tatggggacc	120
gcagcaaggc	ttccattgaa	gcccacccgt	ggctgaagca	ttaaccggtg	ggccccgtgc	180
cctccccgcc	ccactttccc	ttcttcaaag	gacaaagtgc	cctcaaaggg	aattgaattt	240
tttttttaca	cacttaatct	tagcggatta	cttcagatgt	ttttaaaaag	tatattaaga	300
tgccctttca	ctgtagtatt	taaatatctg	ttacaggttt	ccaagggtga	cttgaacaga	360
tggccttata	ttaccaaacc	ttttatatct	tagttgtttt	tgtacttttt	ttgcatacaa	420
gccgaacggt	tgtgcttccc	gtgcatgcag	tcaaagactc	agcacagggt	ttagaggaaa	480
tagtcaaaca	tgaactagga	agccagggtga	gtctcctttc	ttcagtgga	gagccgggac	540
ctttcccctg	cacccccgac	atccanggac	ggggtgtgag	gaaaacnctg	ccttccaatg	600
gcctggacng	gatgttttnc	aactnttggt	cccctacgtc	tcaacaggcg	ctnacttgaa	660
gtgnatgaat	att					673

<210> 1767

<211> 694

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(694)

<223> n = A,T,C or G

<400> 1767

gnncnngtag	angnaattat	catgtttcca	gtcnaagtat	tcttttttgt	tccacaaatc	60
atagatgtca	ccattgaacc	ttctgaagag	cctttatttn	ctgctgatga	attgtatgga	120
atagttgggt	ctaaccctaa	gaggagcttt	gatgtccgag	aggctattgc	tagaatcgtg	180
gatggaagca	gattcactga	gttcaaagcc	ttttatggag	acacattagt	tacaggattt	240
gctcgaatat	ttgggtaccc	agtaggtatc	gttggaacaa	acggagtctc	cttttctgaa	300
tctgcaaaaa	agggtactca	ctttgtccag	ttatgctgcc	aaagaaatat	tcctctgctg	360
ttccttcaaa	acattactgg	atttatgggt	ggtagagagt	atgaagctga	aggaattgcc	420
aaggatgggt	ccaagatggt	ggccgctgtg	gcctgtgccc	aagtgcctaa	gataaccctc	480
atcattgggg	gtcctatggt	agccccgaaa	ctatgggatg	tgttggcaag	aaccgtatag	540
ccccagatt	tctctacatt	tgggccaaat	gctcgtatct	caattgatgg	ggagggagaa	600
ccaggcance	caatgtgggt	ggccncgata	accaaangga	cccaaagaac	cccgggaaag	660
gaaanacaagt	tcttccagt	cttgattgna	accg			694

<210> 1768

<211> 675

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(675)

<223> n = A,T,C or G

<400> 1768

tttcgaagat	gaagaagttc	tcttctctgta	gaaaaagtag	atgttatcat	atctgagtgg	60
atgggctatt	ttcttctgtt	tgagtctatg	ttagattctg	tcctttatgc	aaagaacaaa	120
tacttggcaa	aaggaggctc	ggtctaccct	gacatttgca	ctatcagcct	tgtagcagt	180
agtgatgtga	ataaacatgc	tgatagaatt	gctttttggg	atgatgtcta	tggcctcaag	240
atgtcctgca	tgaagaaagc	agttattcca	gaagctgttg	tggaagtttt	agatccgaag	300
actcttattt	cagaaccttg	tggtattaag	catatagatt	gccatacgac	gtctatctca	360
gatttggaa	tttcatcaga	ttttaccctg	aaaatcacaa	ggacatccat	gtgcacggca	420

```

attgctggct actttgatat atattttgag aagaattgcc acaacagggt cgtgttctct 480
acgggccctc agagcaccaa aacacactgg aaacaaacag tatttctact ggaaaaacca 540
ttttcangtt aaagcagggtg aagccttgaa aggaaagggtc acagggttcac aagaataaga 600
aagatcccc gttctctccc cggaccctca cgttgaataa attcacctca aacttatggn 660
cttccagtgg aaacn 675

```

<210> 1769

<211> 661

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (661)

<223> n = A,T,C or G

<400> 1769

```

ttntcgnntnn nncnancnan aaaacatctg gtttttgtgg cggggcgccc tgctcctggc 60
agactacatc ctgttccgac aggacctctt ccgaggatgt acagcgctgg agctcggggc 120
cggcacgggg ctcgctagca tcatcgagc caccatggca cggaccgttt attgtacaga 180
tgctcgggtgca gatctcttgt ccatgtgcc gcgaaacatt gccctcaaca gccacctggc 240
tgccactgga ggtggtatag ttaggggtcaa agaactggac tggtggaagg acgacctctg 300
cacagatccc aaggtcccct tcagttggtc acaagangaa atttctgacc tgtcgatcac 360
accaccatcc tgtttgagc cgaagtgttt tacgacgacc acttgactga tgctgtgttt 420
aaaacgctnt tccgactcgc ccacaanatt gaaaaatgcc tgccagccat actgtcgggtg 480
gagaaaaagg ctcaacttca cacttgagac actttggacg tcacatgtga agcctacgaa 540
taactttcgc ttcttgcttc accnctgga caacttaca atggnagctg cctttttggn 600
gganccccgn ggaggcctcc ttcccagtc tggttacaac cccttcacaa ctggactntg 660
a 661

```

<210> 1770

<211> 676

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (676)

<223> n = A,T,C or G

<400> 1770

```

tttcatggaa ttacttttct tctagantan tancntctt nccactctca cttgaaccca 60
ctccaaccag gcctcccat ctccatgaac ctgatcttgt cagagtcaca aggacctcca 120
cgatctccac attgctaacc aaatgggtcaa tgttcagtct tcatcttatt cagctcatca 180
gcagtcata acttcctctt ccttgatgca tattcttcac ctagcttcca aaacctatac 240
ttctcctggc ttttctctgc cttaccagta atgccttact ggtctcgttg ctggctcctt 300
ctcttctgcc ccactttatg cacagaaatg ccctagacct gccctttctc tacctatac 360
caccctctac tgcttgtag catcttgagg tcagctctcc acctaccag cccctgcag 420
tttgagctca atacctgtt gttgaagtgc actgagtcgg gaaagtcgg tctgtcagtg 480
agcttctaca gaaaggaaag cctttgaaaa tttttttga gaaaagaaga cggggcaaga 540
angggggccc ggaataaaac actgcactcn cttccnanan aaaaannnna nnnnnnnnt 600
nnnnnnnnnn nnnnnnnnaa anannntnan nnnnnnnnnn nnnnnnnnnn nnnnnnnn 660
nnnttaaant ntcnecg 675

```

<210> 1771

<211> 636

<212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(636)
 <223> n = A,T,C or G

<400> 1771
 ccgttcctga tggagctgna nagccaccca caaacaact acccattttc ttttttggaa 60
 ctcatgagac tgctttttta ggaccaaagg atatatttcc ttactcagaa aataaggaaa 120
 agtatggcaa accaaataaa agaaaagggt ttaatgaagg tttatgggag atagataaca 180
 atccaaaagt gaaattttca agtcaacagg cagcaactaa acaatcaa atgcacatctg 240
 atgttgaagt tgaagaaaag gaaactagt tttcaaagga agataccgac catgaagaaa 300
 aagccagcaa tgaggatgtg actaaagcag ttgacataac tactccaaaa gctgccagaa 360
 ggggggagaaa gagaaaggca gaaaaacaag tagaaactga ggaggcagga gtagtgacaa 420
 ccagcaacca gcatctgtta atctaaaaag tgagtcctaa aagangacga cctgcagctt 480
 ccagaaagtc aagattccaa aaccaagagg cagacccaaa atggtaaaac agccctgtcc 540
 ttcaagagtg actcattact gaagaggaca aaagtaagaa aaggggcaag aggaaaaaca 600
 cctaaaagca cctaaaagng aaaaggccaa aggaaa 636

<210> 1772
 <211> 906
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(906)
 <223> n = A,T,C or G

<400> 1772
 tntnnntnan antannnnnn nanencnntn nnnnnnnna nnnannttnn anentnnnnn 60
 nnnngannnn nnnnnntgga nattcatnat ncancattcn nnnnnnnntn nttcccccn 120
 ccccnttccc ccccnccent cnnnnntnna aantttttan aacaaggggg catantatga 180
 atgctaen cnctgtagat tctgaaaagt tggccatgtt agaggaaagta tttgttagcc 240
 ttgaaatctc cttcaaaaagn gaattattgca tctgtcttag aaaattacca tacagagtct 300
 aagattgac gagacaagtc ttttatactt gaggaacaca tggacaaaat aaacagttgt 360
 ttttcagcca atactgtgga agaaattatt gaaaacttac agcaagatgg ttcattcttt 420
 gccctagagc aattgaaggt aattaataaa atgtctccaa catctctaaa gatcacacta 480
 aggcaactca tggaggggtc ttcaaagacc ttgcaagaag tactaactat ggagtatcgg 540
 ctaagtcaag cttgtatgag aggtcatgac tttcatgaag gcgttagagc tgttttaatt 600
 gataaagacc agagtccaaa atggaaacca gctgatctaa aagaagttac tgagggaagat 660
 ttgaattaat cactttaagt ctttggggaa gcaagtgtt ttgaaatttt tgagggtgac 720
 aggcctttta agggataatt ttgtancatt ggnttgga tctacaacat gtgggncaaa 780
 ttccancctg gctggctggg tttaatatag ccctgtaagc taaaaatggg tccccgcatt 840
 tttaaantgg gtggggaaaa aaaaatcaaa agactaatta atttcatgga ccgtggnaan 900
 ttatcn 906

<210> 1773
 <211> 734
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature

<222> (1)...(734)

<223> n = A,T,C or G

<400> 1773

```

acnttntcga attcccacga gagcacaaagt agatgtaaaa aanaaanaaa aacccccccc 60
cngnggaaag accctnttta ggttngttt ngttttttt tgggttngt tttnggttt 120
tttnctntn ggnaaacccn ngccaanggg ccanancnc taccngatt tttntnag 180
ggccentttc nnaanaatng ggtcnaccng gaaangnaaa aggggggggg ggggggnaaa 240
aaaaaaaaanc tnnggcnttg gnggntttta aaaantttan nccattngt tncaaananc 300
ncaannttna aaancaaaaa antcncncnc caancaaccc aaattttaan ngnncaaatt 360
nggcncncna aaaaaacccc cctnnctnn nttnttngg ggcantntn ancccccca 420
aaaaattgnc ccaaagggtg ttaaaaaant aattttcct taaaggtaac cccttcccc 480
caaacacgca annttnnggn ncttttttg atggcaaccn ggatanntaa ttgttcaacc 540
antttganaa annancntt tggacaccta aaaaaaaaa aaaaaaac ccccccttt 600
aaaacttntg ggggggntt ttncgggaac ccacnctnn aanaaaant ttggnggggt 660
tgggngncnc cccntntta naantnnnnn nnnnnnnnn nnnnnntnn nnnntcnnn 720
nnntctnnn nntc 734

```

<210> 1774

<211> 536

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(536)

<223> n = A,T,C or G

<400> 1774

```

gmnattanat caactacttg ttctttttgc aggatcccat cgattcgaat tcggcacgag 60
gtcctcaggg aaaaaggaaa atacattccc aaacagtctt tcttgacacg aaaatattat 120
ttcaacaacc cagaggatgg atttttcaa aaaactaaac ggaaggtagt gccaccttct 180
cctatgactg atcctactat gttgacagac atgatgaaag ggaatgtaac aaatgtcctc 240
cctatgattc ttattggttg atggatcaac atgacattct caggctttgt cacaaccaag 300
gtcccatttc cactgacct ccgttttaag cctatgttac agcaaggaat cgagctactc 360
acattagatg catcctgggt gagttctgca tcttggtact tctcaatgt atttgggctt 420
cggagcattt actctctgat tctgggcaa gataatgccg ctgaccaatc acgaatgatg 480
caggagcaga tgacgggagc agccatggcc atgcccgcag accanccaaa aaaaaa 536

```

<210> 1775

<211> 1014

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1014)

<223> n = A,T,C or G

<400> 1775

```

nntacgatcc ctattntnga aaatataatt tgacaaantc cttncncttc ttnnanacta 60
nngngaaggg tnanatgang nnttcnact atagtgtgga gntcctcncc ctgagggtgg 120
tacagaaatc aattgccncc tnatgggggt tanaataaaa aatagtggng cacaagcnca 180
tnggtnncca aanccttcc tanaancaca annccncca cnggccacac ccgatnct 240
tncntcacac nnatnnttcc ntaanancan annntcnann ncgtcanctc tatctaaaa 300
catnctntta acatcttntc naccnantnn tcactnaaaa aancaccac gnanncacgt 360

```

ttanaacccc	atctnaantg	nactctaaca	ccaatnaata	ntaacaannn	tatnnttten	420
tctcnctana	naatatncca	tcaattctcn	nnaactncct	cantnnacat	actantctnn	480
agacnttata	cctatttntc	tatacttncc	cactntanct	tatcanacnc	accattctnc	540
tentctcctt	acnnntatat	atcaananca	catcttacnn	tcatcacggc	actanatan	600
cacntcacna	cctctcacca	tancgacnta	tcenattaan	taacactccg	agtncaacat	660
nccgcnaata	aaagaatacc	ntctgaggta	tcttattana	tattttatcac	atnnctacgc	720
ctatccnaen	ntcgnagcat	accccttnta	tnntngnntc	actnctataa	tnccatcate	780
taaacncnnn	atctttacact	cccncaaacn	aatcaactct	atntnannna	taatatnana	840
cacacnnnna	ctctttttcc	tncntaattc	tnaacatcnn	ctnacatgnt	acnnctaaan	900
actctnaact	anagaccctt	ntactactnc	acctctnca	tnacacaa	ctatctntac	960
tcncagctca	cctgnnataa	cnttactttc	tnccatcttc	ttataactct	tncg	1014

<210> 1776

<211> 716

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (716)

<223> n = A,T,C or G

<400> 1776

agttccttgg	ctgttattac	gctcactatt	atcaacagca	agcacagcca	ccaccagcag	60
cccctgcagg	tgaccaact	acaactcaaa	ctaattggaca	aggagatcag	cagaatccag	120
ccccagctgg	acaggttgat	tataccaagg	cttgggaaga	gtactacaag	aaaatgggtc	180
aggcagttcc	tgctccgact	ggggctcctc	caggtgggtca	gccagattat	agtgcagcct	240
gggctgagta	ttatagacaa	caagcagcct	attatgccc	gacaagtccc	caggggaatgc	300
cacagcatcc	tccagcacct	cagggccaat	aataagaagt	ggacaataca	gtatttgctt	360
cattgtgtgg	gggaaaaaaa	cctttgttaa	atataatggat	gcagacgact	tgatgaagat	420
cttaattttg	tttttggttt	aaaatagtgt	ttcctttttt	tttttttttg	aaatggccaa	480
annttttatc	cttctgatg	gggggttant	tttntgtga	aaaaatnaaa	atggnttnt	540
tttnanattt	aaggggaaag	gccnctccc	ccaaaggntt	tccaattntg	gggtggagcc	600
ttnggaaaaa	aangcctttt	ncaaggnacc	ttcccttttn	aaaancctgt	tttgggcttt	660
ccaanaangg	attgnaacct	caaananngn	nnnnnnanan	ncntttncct	ttcccn	716

<210> 1777

<211> 928

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (928)

<223> n = A,T,C or G

<400> 1777

cnnaagactn	tttggaac	ccgtnccttt	tgaggatcc	catcgantcg	aaanttgac	60
cgggggaagg	nntacnggn	cccagaaant	tttttttggg	ggnnngggg	ccnngnagg	120
gggggtgntn	nnttnnaaan	tttnaaaatt	ttccantntn	gggatgggga	nntngggatt	180
nggtttntc	ctngggcnng	gccttaagga	aaangtgga	aatggcctta	aanantccnn	240
ggccttctta	anaggagcnt	ttaatttnac	agnggcaagg	ggctggtnnt	gganaacngg	300
ttngggctnt	gaattnttta	atataccac	cnnnncnttn	ggcttacact	gnacaatngg	360
agatgttgg	acagggtccc	tgagatgcaa	tcaagaatta	agccgtagcc	naggcatttg	420
gnccaatggg	gnaaagggtc	aaaaatnaaa	ttttattttt	tttttttccc	cttttttnc	480
ccccctaacc	ccccaatcc	ccccaggncc	naaagnaaan	ttttcntttt	ttttcnaaag	540

```

gaaaaatttc ggggccaatt ccnantttcc nttaaaaaa ccnaaaccaa ntttcntttt 600
naaaancccc cccccaaggg cttnngggggg ggttcccccc ccaatttttt tnaaaataag 660
ggaaangggg ccaaattngg ggntttcaaa ggtctttaa aaccgggggg gccccggggg 720
nagggggccc tgggtttttg gangggggna aaaaacaant ttaggttttt gggaaaaaaa 780
taccctcggg ttcccccttt taattncac tggncccttg ggttctttcc aacgtngggg 840
aaatgggtgcc tttggggggn ccccttcann aaaagaaaag tctgggtngg gcttcctaaa 900
gggggtgggg gnggggggga nacaacct 928

```

```

<210> 1778
<211> 1173
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(1173)
<223> n = A,T,C or G

```

```

<400> 1778
cgaatccttt gcaactactt gttctttttg caggatcccn ncnncngag gcannnnagg 60
nggagngnac nagnngcang acgggnnttn taattgatan aanaagcccc cgcncacgg 120
gtntnnntnn gggccggggc cnanngggcn atnngccaaa aanaataact ccaantnccn 180
gnnagaacat gaccctggacc atcnaangga aaatgaaacn acacaaancc agactcnacc 240
ntggcncanc cctcnagaa gcccacaagan tcnngnccn ngcnncggga nccgagntta 300
cnnnngaang cgggnnaacn ngngcccga gcccgaaggc ntgncacgtg gcannnggct 360
ncnnnncaaa caaaaancaa cccgnaagnn ctccnanann nncnccang annncnaaan 420
ccaagntnct nncncaaccc ttanagcccc cenncaaagg ncacgcactg gngggactc 480
caagggngcg anggnngnct cttnegacac ccnanngcac ccnacncnag nannancnag 540
aggntatcn cancttggg gnnanaaggn agcacggcaa cccnctagna naaaangnan 600
ncanactnnc anannccnng ggtatncacn ccaaanaact acccgagacc centcnagaa 660
gcccataatncc ctaacacant gggngcanac cnaaccnncg tacaacagcn cnacnaggg 720
gctcacggga nntntnggaa nnganaggca cagngacnag cncagnttgg ngcccacanc 780
cngtaaacn tntanngtg gngaggcnnc gcgcatacng gananccgac ttncncacca 840
ctnnctntc ggaatcgnaa cgccctanca cgncaaccnn ggcnacnnc nangggaaan 900
anagngggan ncacccacca cggggganna cncacagntt atcgcgcncg cnacattggg 960
nagngngnt cacnataang cccaccctcn cncnatactc acagtncaat centacacag 1020
gncanngcan aagnggnaac ngaaatgcga cncagnccga nncaaaangg ggggggggca 1080
acnggcacan aaagcgnga naccantaa ngnggnccn ncaccncngg gataataata 1140
ctntngnagg tacacacnaaatnccgnaa ggn 1173

```

```

<210> 1779
<211> 728
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(728)
<223> n = A,T,C or G

```

```

<400> 1779
agnttttcna ttcgcacgan ataaaatnna tgngngnggg anaaaattnt aattttgaaa 60
aaatntagga aagttcctac caaatatata tgtataaagt ttattaaaag tcataatgac 120
ccaggaatag ctaatgacac agaagtagat caaaatagaa cacaatagag aacttcaaaa 180
taaaacagggt gtgagaattg tgtgtgtgaa aaagctgggt tcaaataagt tggtttgta 240
gacattcata tgcctactca tcagccattt cgttctccct tccttgctga caaagcccca 300

```

```

tttttttttt cttttttttt ggcctaaaac tctgtatggc tgccttgtgc tatanaatag      360
gggtgcttccc tagcctanag aggggtgagt ttgattagat tctgtgccaa tcatggtaat      420
tggcttactt gatcatttga tggaaatctag gctaacgaga caaaggaagt ctgaaggctt      480
tgaataanaa attttctgtg ctcttaacaa ttgatacaag ttagggattt gccagcatcc      540
ctcttctgct tctcagttaa natatgtgat atggatgttt gaagctaata tgcacagcct      600
tctgatggcc atgaaaggga caagtntgga gatgaaaagc tntcacactg ganaatagnn      660
ggatgtaaaa agaaaacncc tgaattgggc ctctgaatta accaatccca ggaactgggt      720
tcctttgg

```

<210> 1780

<211> 685

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(685)

<223> n = A,T,C or G

<400> 1780

```

nnnactatag gatnccatt ntanaaatag gaccagtagc ataggtaggc cctgagcact      60
aaaaggagggt gtccctgaag ctttcccact atagtgtgga gttctgtccc tgaggtaggt      120
acagcagcct tgggttcctct gggggttgag aataagaata gtggggagggt aaaaactcct      180
ccttgaagat ttcctgtctc agagtcccag agaggtagaa aggaggaatt tctgctggac      240
tttatctggg cagaggaagg atggaatgaa ggtagaaaag gcagaattac agctgagcgg      300
ggacaacaaa gaggttctct ctgggaaaag ttttgtctta gagcaaggat ggaaaatggg      360
gacaacaaag gaaaagcaaa gtgtgaccct tgggttttga cagcccagag gcccgactcc      420
ccagtataag ccatacaggc cagggaacca caggagagtg gattagagca caagtctggc      480
ctcactgagt ggacaaganc tgatgggcct catcanggtg acattcaccc canggcacct      540
gccactcttg gccctcagca ttattccatt tggaaatgtga atgtggtggc aaantgggca      600
naagaccccc ctgggaaccc ttttccctca ntagtgggga gactanccct aggtcccact      660
tggttttata tctgaccana cagat

```

<210> 1781

<211> 1230

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1230)

<223> n = A,T,C or G

<400> 1781

```

ccnccccnnn nnnnnntnn nnnnnnnnnn nnnnnnnng nnnnnnnnnn nnnnnnnnnn      60
nnnnnnntnn nnnnnnnnca nnnncnngnn gnnnnnnnnn nnnnnnnnnn nnnnnnganag      120
gngnnngnnn nnnnnnnnt ngggannnnn antntntgan gtnntntann gnnntcntnn      180
nnnnnnnnna nnnnnnnncn gccgcncnc nnannnnntn nccccnctc ntannnnnnn      240
nnnnnnnnnn nnnnangnta ncgaaantcn gcacggnggt attcatcttc ttgtntnct      300
gccggtcnca aggctaacc cagnatngt agntggcctt aatatcaggt nngacngtgt      360
gaaatgttnt anggggtttt tcaagaggaa aagttntagg cttaaaactg actggtaaaa      420
anagaatatt tctttgtatt tgatttttca gttatatgct ngtnccagcc agttatcctt      480
cngtnagggt ntncggtttg taanaactgc ncacatttgg nnanatntcg ncgccgcctt      540
catttgnan gaacnnannn ntcnctttgg gtnccccc aaacccnaact tgttnaaacc      600
atttggncat tanaaancat gtcttggttn taaccctgan tttttacntn nncggcnnn      660
aaccaaaant ntattcnacn tggngangtn nctttaganc ttcttctncc cgcantgaaa      720

```

anaaccgggn	gnntggggtg	rgananctat	ataggggggt	cnttcntggc	cccttcacccg	780
ggnggtgaan	ctcgancttg	aaagagcccc	cccnatata	ncntncnnn	aggngggggg	840
gnttcgncn	ntgaaaacta	tncacntcc	tnttgngnn	gtngctngnn	ntnnacnana	900
tcgnngnntt	gngnnatgcy	nnacanccat	ngaaccnncn	caacnctcn	gtatttatan	960
ctcntncacn	ngntctance	tcnngnctcn	ttntctccag	gangnaantc	tncagtanan	1020
aanntccctn	gntagnanca	nnngnnatct	cnggtancct	ancnnggggn	gggaagacnt	1080
ctttgntctg	ctnattanac	aaaanatata	nacacngccg	cgnttcttnc	taaaantctn	1140
tagcancgag	gctccctntc	aantanaggc	gtcacctent	cnaactatac	nangggngcn	1200
actntccctc	gncgcangca	tctntggcca				1230

<210> 1782

<211> 1450

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1450)

<223> n = A,T,C or G

<400> 1782

tnnttgntan	nnncncttn	ngttntnttt	nnngcttna	nnncnttenc	nententnnt	60
ttntntnnnn	ntnnntntn	nnnnnttcnn	ttntacntna	nnntngntc	ttgntntnnn	120
nnatangngag	tggnntntcn	tctccctttt	ngcatatcta	tntattctnt	nnntnnntng	180
ccnccccct	ccntnnnnn	ccccccctnt	tctentnnnn	nnnnnncann	ntgaacagnt	240
tgnggnaggg	ggctttcttt	ntctccttn	ggcccccccc	ttttgttttt	tnttcttann	300
tnntntanat	nnctgggatg	ttttncgggg	ncctentctt	ttctantnnn	gggggnnttt	360
tttaccttta	ttcttccnec	cttanctntc	nnantctecn	ntcnnttnnc	actttctntc	420
tccatntant	cttttgtnnt	ntttnttttn	ctcgacatct	ttcttttenc	tatatntntt	480
ctntctctnt	ttctctatta	ttntctntnt	antntctntc	atattttatc	tnctttantt	540
actctcgagt	ctntnaactnt	ctttcttggt	ctcnnttcc	atnttccat	cctttanttn	600
ncatnnnct	tactntnttt	nnctctntgn	ttncncttnn	tnctctcttt	tanctntcnc	660
ttntntntna	tattttcnan	ctaantnaet	ttncatncng	tttattnenn	cnactntgtn	720
ttttnttctt	ttntctntct	ccnttctntc	ncctnttccn	tanngntcgt	cttctntntc	780
ttntcctnnn	cttnnatent	ctctatatct	ngtttattct	ctntcnccgt	cattagtctt	840
ctctntttct	tcttnnttcc	ntngtttctn	tatatantct	ntcctntntn	tactntacnn	900
atntcatctt	tctncaactt	tctcgctctt	cacantnttt	anacngttct	ntntttctcn	960
atacentnnt	ctcgctnttt	tctantcccn	tctntatanc	ntctgttcan	ctntattgta	1020
tctcttattt	ttagctctct	ttntnctnat	ngctctccang	tnntntctat	ctanncnctc	1080
cnctcacntn	ncctntntcat	nttctccctc	tnctctatnta	tnctactata	tttgtnntac	1140
gcttctttnt	tcttcttaca	ctcnngtttt	tnctcttcta	cnctentctt	cntnttgct	1200
tctctcttct	tcnatnctcc	nccttctgccc	tctentncc	nnngatcatc	tcntgctctt	1260
cntatctctn	ttctcactat	ctccatntta	cttgctctctc	gcntgtntca	gtcttcaactn	1320
cnntactctt	nnattnctcc	acttttattn	tcgcatctcc	tatntatctc	gctnntantc	1380
tctntctttt	natnnatctc	ttcttttatn	tncttagtct	ctctntctnn	ttctttntac	1440
ttctctnncn						1450

<210> 1783

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1783

aaatcgataa	ggaaaancgt	gaagtcgata	gaaatgaagg	cctgaaatth	gcacgaaagc	60
attccatgtt	atttatagag	gcaagtgtca	aaacctgtga	tggtgtacaa	tgtgcctttg	120
aagaacttgt	tgaaaagatc	attcagaccc	ctggactgtg	ggaaagtgtg	aaccagaata	180
aaggagtcaa	actgtcacac	agggagaag	gccaaaggag	aggagcctgt	gggtgttatt	240
gctctgtgtt	ataaactctt	taactgctat	tttagggacc	ttgcagtttg	cacataattg	300
ttttatatca	tagcagtaaa	tatttgcaag	aaatccact	catcgacccc	gggtaaaaat	360
ttatggtaag	catgcacagt	ttgcagtcta	cagttttttt	atgtagcaca	aaatagggtg	420
acctttataa	gtacattcaa	ttttatgatt	tacattttat	atgtaatttt	taaaaaaatc	480
catctatcta	ggatatgttg	atacaaagtc	tgtttttgtt	attctttttg	cttaataact	540
cctatcattt	tctgaattac	ttggtattta	aaactcctag	cccacgggga	agaatagang	600
tatcatcaaa	cgtggcaaat	tttctttcag	gaataataaa	gagcatgatt	ccccaaaaaa	660
aaaaaaaaaa	aatccgnccc	ttaaaactnt	agggngcggt			700

<210> 1784

<211> 1144

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1144)

<223> n = A,T,C or G

<400> 1784

gaggnacant	gnngnactnn	tcnntttent	tttttgccaa	aaggaccagt	atcatagggtg	60
tntcttgagn	gnaaaaanga	gctatttcct	gggggnttct	tcnctataca	gaggagntct	120
gtccctgagg	aggctacaat	anncnaggte	nctcnntctt	gcaagaaaat	aatactngtg	180
gganccgata	nncttnnnnc	tngnaatgtc	ctgtctcaat	agtcccanag	aggtaaaaaa	240
aggangaatt	tctnntnnac	tttatctggn	catnngaang	anngnaatna	atncanaaaa	300
ntgcnanann	ttaccttctt	gaacngggng	ancanccaaa	atantntatt	tnttactcgg	360
ngaataacnn	tttatngnct	cttanaagcc	anatngnttn	nggnaatatt	gnngggtnac	420
cttnccacan	nggnntaaat	tcacngngtn	gnncnaance	ccttnggnat	ctttnncctc	480
nacnnnnccg	ttnggncacc	nantatnntc	cacacttaat	tcttggtaan	nnctntttcc	540
ggcagnntct	atacgtnggc	tnntntnctt	cantcgcgat	anntnnact	ttnttttact	600
tctcnnaatn	ntcanactan	cncnctaata	cttttaacga	gnnganacac	taantgtntt	660
tatcgaatnt	ntnaaatacg	tannatcttt	ntctttatca	ctcatatggn	tattttntac	720
ccccngntn	atntntctnt	cctntncncc	ccccgtatga	ntcaccctnn	atctattcgg	780
caactttaca	tcnanangtn	tgntgtccct	nctctatnta	anaaacgnnc	tcactacttc	840
atcccaanta	nnnncattcc	accctcttag	tnaaaantnt	nttngataaa	atatgcttgn	900
ggtgncgggt	ncacaaaaaa	natgtttngn	ggtccnaaaa	atattantaa	nccccccct	960
naccnccngt	gtgtnttnaa	naactntntt	cattttctgc	ncccatntct	cnntcgtat	1020
nnatcctatc	ngcggnncta	ntatcttttt	agtaggtanc	ancntntatg	gtctntctct	1080
ngantcactc	antgggtgac	tancnntaat	ttaattcnnn	cgngcncntc	tcccnngtnt	1140
nnnc						1144

<210> 1785

<211> 702

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(702)

<223> n = A,T,C or G

<400> 1785

atgcatctga	gaatgatgag	cgcttatcta	acccccagat	tgagtggcag	aatagcacia	60
ttgacagtga	ggatggggaa	cagtttgaca	acatgactga	tgagtagct	gagcccatgc	120
atggcagctt	agccggagtt	aaactgagca	gccaacaggc	ctaagtcca	ggttccctgg	180
cgttggtgac	atgctgcagc	ctggaactct	gatctccagt	gtgactgcaa	agctgtcttc	240
tcactggtag	tgcttctgta	gtactggttg	gactgtgggg	catgtggccg	ctgcagttcc	300
agtggttatt	tctaagtcta	tgacaggaca	ggctgttctt	gcttcagaac	cttctctgac	360
agacacggta	actaaatgtg	aaaaaccaat	aagctggtga	ctcatgaata	cacacgagga	420
aaagcagagg	tttattttat	ctgccttttc	aacatttctt	tccctctgtg	aatgattgg	480
tcagatgtct	ttgagaagtg	ttaaactaat	tcacatggta	agtgtagggc	caacatacaa	540
agctaccag	tctaattgtg	atagtagact	ttggggaaaa	gcgaattttt	ttcatgtatt	600
cattctgaat	agttgaaatg	tatatttgta	cagtctttta	gacctattca	agtgatgctc	660
atgatcctgt	actggngtgc	ccatcataaa	ttcttttttt	ta		702

<210> 1786

<211> 723

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(723)

<223> n = A,T,C or G

<400> 1786

anntttcgca	ttttttgcct	ttacaaaaag	gcattttgtt	atactacagt	gtaaacctca	60
tttttttcac	tccaaaaggt	agcagcccct	cttcttccca	ccctggacct	gcctttcact	120
ccctgggcac	agagcgcatg	gtaccattga	tgtttggttt	attccaggat	ccaaggagct	180
ggttctgctg	gttggaacaa	acctcgtgag	ccagccaccc	ctgacccaaa	tgaggagagc	240
tctgattctc	ccatccggga	gcagtgatgt	caaacttctg	ctgctgggga	aatctcatca	300
gcagggagcc	tgtggaaaag	ggcatgtcag	tgaaatctgg	gaatggctgg	attcggaaac	360
atctgcccat	gtgtattgat	ggcagagctg	ttgcccacaa	gcgcctttta	tttagggtaa	420
aattaacaaa	tccattctat	tcctctgacc	catgcttagt	acatatgacc	tttaaccctt	480
acatttatat	gattctgggg	ttgcttcaaa	agtgttattt	catgaatcat	tcatatgatt	540
tgatccccca	ngattctatt	ttggttaatg	ggcttttcta	ctaaaagcat	aaaatactga	600
ggctgattta	ntcanggcaa	aacatttact	ttacatatcg	gtttcaatac	ttgctgggtca	660
tggtacacaa	gctttttacn	ggttttttgt	acaatnaata	ttttgagtna	aaaatgggta	720
cat						723

<210> 1787

<211> 763

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(763)

<223> n = A,T,C or G

<400> 1787

nngantcnnn	ncgagaaaag	tctcccacct	tttctcctnn	aactnctctc	ctttctntcc	60
ataaaaagaa	aaggaaagga	acaaaagaaa	aacattcagt	ttttcttttt	ctgaaaaagg	120
taagtccttt	cctgaagtca	tcaaatgaaa	cattatctgg	aaattagttt	ctaattgtgt	180
atatgaagaa	atacttanat	ataagttcct	gcagtattta	ttagatagtt	gtacctgtaa	240
actcacctcc	ctagtanata	agagtttcag	gttaaatact	ggaacatata	taggcagtca	300
aaaatactct	ttaaatgtca	ttcacctatt	taaagccatg	ttttagcact	ttttangcca	360

```

aagaangtct gatagtgcct gtttttatgt tctgtactct cacaaactnt gttactcaaa 420
attatngcat ggcangagag attggattat ttatttccta tatctttata aagtaaaaaa 480
atctttctaa acaacaaatc ctaacattat tactggattg tttcctaatt tatcctccct 540
nagttgaatg ntaacaaagc ttttccagct gaatggaatg caccttanct gataaaccag 600
aatttggncc tttnttttcc ctnccttttn tttttgagac aggttctcac tctntnacc 660
gaaggttnnga gtgcannngt tttgatcata accttgactg naggcttcaa ccttntgggg 720
ctcaaatgga tcctttcact taagcctnct gngngtangtt ggg 763

```

<210> 1788

<211> 1024

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1024)

<223> n = A,T,C or G

<400> 1788

```

gnttaatacn anataactcan cttgctgcct gcagggtccca tctntcgaat tcnggcgana 60
ngntgggaat aaantgcctt gnggattnnn ctccattgnc nntttggcac cnaaangttt 120
ttattcnaaa nnaaggaant ttagttcctg tnaatncaag cttgnaaana ggcccnact 180
ggggtggncc aattgcattt aacttgcaat gaatccttnt tccanctttt gcnttgnggc 240
tgcttngatn antgagggan ttcaantaat ttgangcnc aatggtattt ttnaaattng 300
gacntttttt ggancctcta agtaatggat tgaataatcn tngagcaagg gggaacaatt 360
gccttgnttt atnnngtggg ggaacttcaa nggnnnnnnc cccaacttg ggacctcaat 420
ttttcaacta atgttttnca ataantttt gaaaaaaaa acctgnggcc ntnttttttg 480
ngggcaaggg aaaggnnctt ttctnttnng gcttgnggga aatcaaggca attccttggg 540
tnccctgggg aaagccttgg tcaaaaaacan ttaaatncgg gaaaaccaat ttttctttt 600
ccaanaaant nnaaattggn ttgggtaaaa gttnttttg gnaaaaaatt tggaatntg 660
tnccaaanaa aaaaanagg naagtttcan aataanncat antttcaaac aaggttttn 720
ttntaaaacn aaaaaaaaa nggntnaaaa anaaaatann ctttcanttt tcaaatttt 780
agggaaaaacn taaggttccc cngggttcgg ggggttttaa taacctttt ttgacttggc 840
ttttttaaan ctttagcccc ctttagann anggccaaa tgccnnggtn ggaagctnc 900
aaanngggcc cggattattt ttttgnacca antntntgtg nataaaaanc ttggggnaaa 960
aatccctta acntttacnc naaaaatttt ggctntttt taaaaaatt ggnaaantnt 1020
gntn 1024

```

<210> 1789

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1789

```

ttanatacan ctacttggtc tttttgcagt accctngatt cgaattcggc acgagccctt 60
tgagatttct ggctttttgt agggacctca gtccattttt cccaactcat gggttctcaa 120
taccttaact ntctnttatt tgtcaaattc caantctca aaatcnccca ccattacctg 180
accnctggn agtcaccaca ccacttncc cactttccca gggatgctta tgnattagct 240
taaactctca ccattctgat ttgtaatgcc gnccccccc ctttttttg acacctggga 300
gttancttnn ctttctgna agatcanct cacaacacn agcacatttt cttatnatac 360
tttatctaga aaacctatgt gtcantggca gaagcatcct gaattntggg agancattgn 420

```

```

ntcgttgac  tggaaacctcc  tgaaacacag  cagtgggaat  tgcttgtaat  ccgctgngtc  480
tatcatcaac  aaaagnnaat  attgtatttt  ttcaggggta  atttaacata  agaagggttaa  540
catttnccat  tcaattttaa  actaaaaaca  ngccccgggtg  cgggtggtca  cgctgtgat  600
cccanccttt  gggaggccga  ggtgggtgga  tcacgangtc  aaggagattg  agaccattct  660
ggctaacgca  gtgaaaaccc  gtctntacta  aaaaacaaat  700

```

```

<210> 1790
<211> 960
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(960)
<223> n = A,T,C or G

```

```

<400> 1790
gagcaagaac  ccttttgaaa  accccngnnn  nnttanaaan  gaaannnncn  nnnnnnaag  60
nnagnnnnng  agngtacaac  gaanngagan  nnaccanntt  tttaaagaan  gccaaaaccc  120
gcaaacacnn  angggggagc  anncgaaaaa  aaagcaacng  aagcnnntaa  agngnaccac  180
caccnngga  cccgaancan  nanggacggc  accgggcgca  agcngnnnac  ccacccctcc  240
ggatggaang  cccggaaaaa  aganactnnc  aaaaangnga  cggccgcena  aagancctgn  300
gnangggcaa  agcccgcac  ccncgacnng  caaaaaagaa  acccccctgc  gcancaaacg  360
aaggaccnac  agcccacnnn  gcgagacacc  ngccacagan  gcccagcnn  cccccnggc  420
ccnacacnaa  agaggaancc  accgcngga  nccccgagcc  cacancggc  cntgcgcnn  480
aactcnga  agccaanact  ggcacccacc  anccacggcn  gacaatcgga  nannncnanc  540
naaaaacgg  aaaacaatcc  nnaaagcgaa  ccnggggaaa  accccaggng  cngcacnngc  600
gcngcccaa  gnangacngg  cnnanancg  ccgggnaaaa  cccacngga  acacaccac  660
aaaaagggna  ccggggaacc  cannnaaacc  gggnnaaan  cggcgccnn  gcccaaaccg  720
ngaaccccc  cccnaaang  naanacanca  gggngngcga  nnaagcccn  cncacaccg  780
aaagcncan  ccaccnagac  cncanacccc  cggnccgccc  cncacaaaa  ancatatagg  840
cgggcgcagg  ccgnantnna  cgcgcaaacn  aacgcnagna  ccggggannc  ngaaaaacaa  900
accggggacc  ganccncgg  gcgnnaaan  ccccnnnnc  nagnagncgc  ncccccnna  960

```

```

<210> 1791
<211> 743
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(743)
<223> n = A,T,C or G

```

```

<400> 1791
nngctngct  gctgcaggt  cgactctnna  ngatccnggg  nccgagctc  gaattcgccc  60
tatagtgagt  cgtattacaa  ttcactggcc  cgtcgtttta  caacgctgtg  actgggaaaa  120
ccctggcggt  acccaactta  atcgcttg  agcacatccc  ctttcgcca  gctggcgtaa  180
tagcgaagag  gcccgaccg  atcgcccttc  ccaacagttg  cgcagcctga  atggcgaatg  240
gacgccccct  gtacggcg  attagccgc  ggcgggtgtg  gtggttacgc  ccagcgtgac  300
cgctacactt  gccagcgccc  tagcgccgc  tcctttcgct  ttcttccttc  ctttctcgcc  360
acgttcgcg  gctttcccg  tcaagctcta  aatcgggggc  tccttttagg  gttccgattt  420
aatgctttac  ggcacctcga  cccaaaaaac  ttgattagg  tgatggttca  cgtagtgggc  480
catcgctga  tagacgggtt  ttgcctttg  acgttgaggt  cccgttcttt  aataagtgg  540
ctcttggtca  aactggaaca  acactcaacc  tatctcggt  atcttttgat  tataagggat  600
tttgccgant  tcggctatgg  gtnaaaaaag  actgattaac  aaaaattaac  gcgaatttaa  660

```

caaaaattaa cgcttacaat tctgagccgn atttctccta ccattggcgg atttaccga 720
atgggcntct agacaattgt tgn 743

<210> 1792
<211> 921
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(921)
<223> n = A,T,C or G

<400> 1792
gncngaccct ntgcaaacna ctengnctn tttgcgggng gnancccaa cngaaccgc 60
cttnaaggng nggctnctnc caannnntaa cccgggaana annttttttt ttnacangan 120
cgaanccaan ggnaannng ngngaaagnn tnantgggaa aagnannnta aancaataa 180
cnnttttaaat angnntgnaa aaaaaaantg gggnggacaa attnttaagg ncaaaantnt 240
gggccaana anttaancaa antggnaaat tntcctggng gtnggggaan tnnctctta 300
nggaaatnnc gcccaaggnt tcctaacaaa cggngccaag nnaaggggcg ggcnggnagg 360
ctncatgggg gacatggggg gacntctggc tcaagnctgn ggaccgnaa gggaagatna 420
ggatgntggg cngggggcan ntaattnnnc nnnncggttt aatataattc aactnggngg 480
gaatacctaa tgccaatggg aaaataagaa ctaatttttt anaaaacttt tacatgcttg 540
ggttaaaatt cagaaaggga aaataganca aagggaaata taaaatattt ttcttnnaaa 600
aacttaataa aaatgcgggn tgacaaaana ancattttca tcttggcagn aanaaagttc 660
tcaagggacc taattatggg gggggatact ttttngaaaa agaaaaangc tggaaaaatn 720
aataaaangc tangaatgtt tctggcccat tatgaaaaga angaaaataa aaggtnttca 780
aaaaataatg aaacantttt cccgtgcnaa nnaaaaaagn aaanttanna angaaaactc 840
nnggcctntt aaaaacaaan angggggggc ggtataaacg gtagatccca gaaaaggana 900
aaagaaacnc atgggaanga n 921

<210> 1793
<211> 1127
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1127)
<223> n = A,T,C or G

<400> 1793
tanttctttt ggaaacaata tgcaatgtga agcggtcgcn ctgtgagttt agtaaggctg 60
tgtacactnn cacctttggn ngcatgcatg tgettggtgtg tgtgtggggg nntttntta 120
ggcatnannn acnnctcgcc ctcttgctc tagtcctggg atgtggcatg cnagcagcgg 180
nnggcctntt ttcagatcat ggcattcaan agagcnncca nacatgtctn ttncatnnt 240
aanaaanana atcctntntt aactgcaatn naactnaang tancatcagan nttatnctct 300
aactanncca cntnaaatca tnnctcatgn acntntncnn attaaacaaa aaacantttg 360
taccnaattn ncacatcnnac tnaancnnan ncttcncta natctcatgn cttaaantan 420
tattaatacn acntcnagtc tatntgnacn aaactcntat ncntccacct antnnncta 480
gattaannan ntngctaate acttantcan tgacataatn ttnttaanat atcnatgnct 540
atnatannca tanaatnaca attgctcnaa cannnncac atcannncac tntanatn 600
gatacgactn acacanant agtncatncg acntttacnt cgttacctat cagancncna 660
tatactacac cctacgaatc ttnatntatn tgnatatcta ttanaatata ctnggangtc 720
aagtactctc atgantcgag cttantacat aatttctcat accanaaggt ancatacatc 780
nttttcaant acnccatata tttacatanc nctacanna cttataaccnc gtaagcatna 840

atattactgn	ntaccatatin	ncatatatta	ntcgacgac	nngnnnactn	cntcaatgnn	900
tctacatctn	nctctcatct	aannnnanctc	atnnanctca	acatnccgatg	ntatnatnnt	960
atacnnnan	acctnttct	cntatngtna	cngtcctnac	tattacttct	tacannatan	1020
antattatat	nnctactnca	tcangtatct	cttnttctnta	anatntantn	antatnanta	1080
nctanacenn	ntagnnacac	tcgnttgcat	ctngntctgc	antatcg		1127

<210> 1794

<211> 791

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(791)

<223> n = A,T,C or G

<400> 1794

agntaccgct	agctcgagtt	ngctntctga	tnngtgggcn	cccnngcatg	ngcacatgna	60
anctagggaa	agaatnnanc	ttgagatcgt	caaagtggag	ggaagagggg	ggtaagcaaa	120
ggagaaatgt	tatatggggt	tcggaggttt	tgtgtttgta	aatctggagt	gatgggcatg	180
ttcaaagtct	tctgggaaa	gagctaata	gagagaaaact	tagcccttcg	aaaaacagga	240
agggatggat	cctaggggag	aggaggaagg	attggcttta	gaggaaagat	gtccttttacn	300
tgaggaaaag	gaagaaaagg	tgggtttaga	tctaaatctg	taggtttgct	gttaggaaat	360
taaggacttt	tcacctttat	ctctgaaatt	tctctggagt	tagcaaggca	aggtcataca	420
cctgaataan	gagggatgag	gcattgtgat	atttgcacac	atacagggtnt	gtnattnctt	480
tatggggagga	aaaggggaga	agccactttt	tgtcaaaccg	gccctgtggg	cttttgaaag	540
ccctttttgg	cctaccaant	ccattgaagg	tgtcnaaag	gatganaaaa	gcttcaaggg	600
taanaagcan	ttnttccaag	cctgcgncnt	tnaaaaanaa	gtgcnaatac	nanaaccagt	660
gggaaaattg	ggnaaatttc	ccattccttt	ggaaatctct	ttagaaaagt	taccttntaa	720
aaccttccca	tnccctngaa	nangggacta	ncaaaaantta	aaattttant	tangnggggg	780
accncttttc	t					791

<210> 1795

<211> 715

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(715)

<223> n = A,T,C or G

<400> 1795

tacaagcttt	nattcttttt	gcaggatccc	atcgattcga	attcggcacg	aggtgtccca	60
agtgtccgga	gcaggcggca	gaggcctcag	tgcggcaaac	acagccccag	agcctgtgtg	120
gcaccagcag	catcttagag	ccccaggtat	atgctgagat	cttatctcac	gctgtcctcc	180
agtgtctggg	gggccccaat	gatggcacag	gggcaggtgg	gctggagggg	cgcagatgcc	240
tgtgttcang	gagggtggcc	accatgggcc	gaggtctcac	ccaagacccc	ttgtctgtct	300
cctcaacett	gcagtcacgg	cagcactatg	gtggactgcc	atggccgtgt	gactttgggg	360
gcaagtggga	gggcgccttg	aataatgatt	gcaaggacaa	cangcaaaaag	ctaccctana	420
ncangacaca	nggtgtggta	cttgacaacc	ctantgtcac	ctcaaateca	tgtcccacac	480
ttttgggcat	gggtgggact	tgtgaacctt	accttgtcag	gcggacaatg	gcccagaac	540
cattgangac	agttgtgtgc	cacttggaag	aanaaacttt	tttgnaaaaa	nccttaaatt	600
aaggtagaan	aaagccaaaa	aatcttntt	ggnccgtaaa	acccgggctt	ttnttaattt	660
attcggccaa	cnttnttgng	gattgaacct	tttgattnaa	accccnggcn	ttgcn	715

<210> 1796
 <211> 1429
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1429)
 <223> n = A,T,C or G

<400> 1796

nnnecgnnnnn	gcgccncanc	tnnnecgnaen	ctnccngtcc	acnctagggg	gggnnggcnn	60
tatntgaacc	ccccccccc	ccccccccc	ctnnttaagn	nentcgantc	gnacgggttn	120
ttatcctncc	cccccgagg	gggtactana	ccnnggcccc	cccggncgtt	ngnggncttg	180
ggcctcnagg	gnngngggg	catttgntaa	gatnaccanc	gntcacntct	agntctaaagn	240
nnngnantna	tacntntaca	ncanctagcn	gtggncccag	natngnctca	agcaannnca	300
cnctgggnanc	cgcaccncc	gcgcccgcgc	cnanantcnn	nnaangacta	tattntnttn	360
nctagccncc	nttacnttnt	nnctcaacnn	ggaangnagn	cngatncgaa	caccnngggn	420
ctccaacnaa	acnngnttcc	acgacaagta	tatnccgcn	gcgnangata	ggngngnaaag	480
cntcnntngc	gnnatnntct	tccaggcccc	gnctgggnang	tntgtengtg	cccaaggaca	540
tgaentgggn	gacaggntcn	ntccggcata	nanccccng	attnncccn	cacaacnggg	600
gggccngnca	ngggggcana	ggncncccaa	tgtaaangcn	ccnctcccc	aacgctntgg	660
gagaaanaag	gttctgggtc	acaantccta	ttntnnggga	canaagnggg	ggcaacncng	720
gggcnaaact	anncttgggg	cgcnaancga	nngtggggng	ccgcccacca	nagngcgacn	780
agggggggaa	ncagntnccn	gngncccnan	ancatgcctn	caaaggaccg	cgtntnnggt	840
cnntcgtnga	annaccgctc	gtgtncnaann	gcgtanggta	ntcacgttac	cgtcgtactg	900
ctctnccgatc	nnngcaccgn	ancnttgcgc	cannaacgca	cgntngncnc	cgcnaangnn	960
tgnnnnccgat	ncntacncac	gtnacnnncc	gcgtacntnc	cncacgncac	gacctcgctc	1020
ngtgccggaa	cgcctncag	gncaccactc	tcnccctcgg	catcagctnc	acngntnnca	1080
aannaccgac	cgntcacgcc	ggctctntcc	acatnnatct	nnaggctnnt	gtgacangtn	1140
tnnnctgcnt	ncncacgtn	cgntatctan	cgcnngtaca	cccacnnnnc	actgcgagcg	1200
tcnnccntnt	ntnnccgng	cnnccgctnan	gtgtccgctc	ctacnccatc	tnccngntcnc	1260
nnnnanccgc	atcttaancc	cntctcacag	tgntctcnnn	ganacgcggn	ccctagcgct	1320
gcncgccgng	tnccgatcng	tcctacngnc	gagactcntg	cncggnggct	ncnnntgtaa	1380
gtcatnaaca	cacnnccnag	cncgtgtgnt	ntgtnacgcn	ncnnntnccg		1429

<210> 1797
 <211> 850
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(850)
 <223> n = A,T,C or G

<400> 1797

canctnnnnnt	ncannctggg	taattgncnc	anactgtcan	tatganatna	tcantgttgc	60
nctnngggaa	nnngtgggct	gnttcatatg	gacnnccnnt	ncattgnaac	gnngannatt	120
ntgaccagnt	cccnctnnnn	antnctttn	tgganttgcn	caantcaatt	tnnnctttcn	180
tgccgatncag	acttccncca	attctattng	aatgtnttgt	ataancntnc	ntcnnttatn	240
angaancnnn	ttngnccact	nttcattnat	aaaacanntn	nancatatnn	ttaatannac	300
ttatnatggn	atncntatag	tttggtgntg	tnnnnggctn	atcancctag	gccnttttnc	360
antntttnt	gnngtagtg	ctcacanngn	atnngntgga	aantntcntn	acgctntcna	420
aagancgctc	cggnatngcg	tcnngntn	tcnnnttgn	tgannacntn	ctnnttntnn	480
cctaanannn	gccnannnn	ttagcnaatn	tgccnttata	nngaagtgg	tatttcntta	540

```

antataaann ttntnancg angnttnnan nggntangcc nantnnnccn tnatatnnct    600
ngnnnagnnn gntnnaaacg nacancttnc tgcancatcn tngccctann gnanntgaan    660
ntcctaaagn tggngnngaa nannnnntaaa cacctgtntn gnccgcnnntt attcnnttca    720
cccctatnan ctannccntt ctntcnatng nctctntnaa ntaaaanncaa atanatatnc    780
nntcacncng tntntcnaac cntntagtan agcngtntnt tatntgcnta accnnatnna    840
catcacncng                                     850

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<210> 1798
<211> 770
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(770)
<223> n = A,T,C or G

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<400> 1798
cccncnntnt aantccgcnc gaagnagaac angangcacc ctacagggag ctccagtttg    60
aggnnncgaca ggcacttcgg ccaantccct gatggctttc gtccattact tcacaaaccg    120
cttccacggc tgctcctcca cacgcaccga gccatgagga gctgcgcctc tgagagcctc    180
ttcctgccct actaccgcc anactcanag gccaggangc catgccctgg ggccacaggg    240
aggtgaggtg ggctggatgc cacacagatg gtctccgtgc tggctcactg aagagctgag    300
cctgtggctg gcctcagaat caggctgggt gcagtggctc acacctgtaa tcccagcatt    360
ttgggaggct gantgagagg atcactttga gctcangagt tcgagaccnn cctggccnac    420
atggcnacac cccatttcta caaaaaattt gtaaaattag ccaggcatgg tgggcacnc    480
cctgtagtcc cagctgcttg ggaagctgan gngggagaaat cactttgagc ccaggagtcc    540
caggctgcan tgagccngga tcatgccact gcactccagc ttgtccncan aaagacnact    600
ntnacccccc tttcccccca naaaganatg gcaacaagct tggncanccn tggngcttg    660
aatgaaacca nmanatgttt cgctttggat tcccaacggc ccttggcacc ccctctacgg    720
aaaatnccan caaannaana aattttttcc cntttgcctn naattgtggn    770

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```

<210> 1799
<211> 761
<212> DNA
<213> Homo sapiens

```

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<220>
<221> misc_feature
<222> (1)...(761)
<223> n = A,T,C or G

```

```

<400> 1799
ccccntcta ttcgcccag gcaagcagg cttnttgctc atgtatccaa gttgctgtca    60
cagtgtaaat ttgatctgtt ggaagaactt gtggccaaag aggtgctaca tgcattgaaa    120
gaaaagggtta cttcactacc tgacaacat aaaaatgccc ttgctgctaa catagatgaa    180
attgtattta catcaacagg agacatctcc atttactatg atgagaaagg aaggaagttt    240
gttaacatcc tgatgtgctt ttggtatcta accagtgcc aatccccag tgaaacttta    300
agaggagcca gtgtattcca ggttaagttg gggaatcaga atgtggaac taaacaactt    360
cttagtgcan gctatgagtt tcagaggag ttcaccacaa ngagtaaagc ctgactggac    420
cattgcacgg attgaacact caaaaactat tangaataat tttcttgga aaatcanctt    480
atggacttta accagttgct tgtgaaaaac taaggaaaga aaattttgg gncatttgat    540
ccttcactta atctaaagtc tggggaatta cttntatat tattttgaa acacttcttg    600
ccntattttt ngccttnata cnnntcacia gcattttnta caaaattgnt attcaccctt    660
ntttttaaaa gnnanntcca aaaattttta aaaaatacca tngccccgn ttggtngngn    720
ttcatattcc aatnaacatt ttccatgnnt cnntattann a                                     761

```


<210> 1800
 <211> 758
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(758)
 <223> n = A,T,C or G

<400> 1800
 nnentccatt cgnacgaggg cgnntgaatg tagtctcacn ctccgagtag ctgcnactac 60
 aggcgagngc ctccatgccc agctaatttt ttgtattttt agtggagacg gggtttcacc 120
 atgttgccca ggatggtnnt gatctcctga ccttgtgacg tgtccaccgt ggcttcccaa 180
 ggtgctggga ttgcaggtgt gagccacagc gcccggccaa aaaaaggaat nnttaagagg 240
 aaaaagaatg ctaccaacct aaccacattt ctatgactgn ttatatatttt cctgttcca 300
 catacntaca tttttacata gnacgnctcat tgcagcatga gttacttttc actnaatann 360
 ttttaaacat tttccancng ggtgtggtgg ntcatgcctg taatcccnac ncttggagag 420
 gccaantnag gcttattggg tgagtcangt gtttnagact agcctagcaa catggcgaaa 480
 ctgcancctc tacnnaaaat accaaaaatt anccangtgn gctgggtgcnc acctgtattc 540
 nggcttctca agaancnctnn tgtgggaccn ntttgtttga acccnacgag gnangaaggt 600
 cgcctctnnc cccctctnct cccccnttn cctnncnct nctnngttct ccacccnta 660
 cntttanctt taanntnanc tcaanatncc atcctnanc accancctg tttacntccc 720
 tcnattaanc cgnnnncnaca ctttcctgc ctctntcn 758

<210> 1801
 <211> 735
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(735)
 <223> n = A,T,C or G

<400> 1801
 acctcgnaa ttcggcccan aagacacata gtggatctgt atggcgtgtg acatgggccc 60
 atcctgaatt tgggcagggt ttggcttcct gttcttttga ccgaacagct gctgtatggg 120
 aagaaatagt aggagaatca aatgataaac tgcgaggaca gagccactgg gttaaaagga 180
 caactctggt ggatagcaga acatctgtta ctgatgtgaa gtttgctccc aagcacatgg 240
 gtcttatgtt agcaacctgt tccgcagatg gtatagtaag aatctatgag gcaccanatt 300
 ttatgaatct cagccagtgg tctttgcagc atgagatctc atgtaagcta agctgtagtt 360
 gtattttctt gaacccttca agctctcgtg ctcatcctcc atgatcgccg naggaagtga 420
 tgacagtagc cccaacgcaa tggccaaggt tcagatTTTT gaatatantg aaaacnccng 480
 gaaatatgcc aaagctgaaa cttttatgac agtcactgat cctgtcatga tattgcattc 540
 cctccaaatt tgggganganc ttttccatat tnttancaat ancgaccaa gatgtgagaa 600
 attttacatt aaaacctgt naangnaaag aactgacttt cctntgggtg ggccaaccaa 660
 agtttgaaat ncntatngtg gctcantnec ataattatta attcccaagn cngggnaang 720
 agttnngann atnaa 735

<210> 1802
 <211> 792
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(792)
 <223> n = A,T,C or G

<400> 1802
 caccatnna ancgccgan nncaccatt atttaacact ccccttaact gtctttgaac 60
 tttctctttt aacaaaaatg tcaagtcttt acagttgtaa tatcaccatg tttcccattt 120
 ctgttaatac ttctatgaac ccctaaagta ttgaaggga ctagctgcca gtttcaagga 180
 ttacaagttt gagcctccta ntnttcaaca tcattctgaa ccttgaaata atattcttct 240
 ctgttaaaca attnctatct gtntgccacc tctgttgnta gaggtgggtg ttaattgacc 300
 ttactaannn anctgccttt gatgannant tattgntatt ggntccngaa taaaacatta 360
 accttttnaa ntcagaagga acctcggtac ttcttaaggt tngtttgcn tttctaaaac 420
 cananaataa ggaactgatt tggctatcan gttaaccat tanaattttc tgtaagcttt 480
 ncccacaaaa aaaaccattg gtgatttgag gatatannta atgnttttaa ncctttttaa 540
 aaataatnag nggggtgnatt ctctggnct tgnctaacna atngtncntg gnaaaacact 600
 gncgattttt aanaaatttt tttnaaaaaa ttgggtctnt tcttaaanat ttaaaaaann 660
 gnccccanat ttaaggncnn tattnnctg gancctcnaa aatttnnttg tgnaaacgcc 720
 ccttnggttc ccnaccttg aattntttta accattnttc tccctttttg aatnttcana 780
 attttntgna aa 792

<210> 1803
 <211> 770
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(770)
 <223> n = A,T,C or G

<400> 1803
 accctnntna ancgncann nntnaaactg nntctnnant tnnctcccn aattatggtn 60
 nnaaaactta atgantncc aaggtnantg ggaagcctgg cttaacact cccaggctat 120
 attaatgagn tcatgaggat gncatntnnn tnatgactt caaagggtgt tgtaagtatt 180
 aactanntta atncagggtca nntgcatata ttagcactca atgcacggcc attgatnaat 240
 aaatgcnagn ggtcctgatc actgagaatc taacctctgc ttaaatacct ttagtcataa 300
 nnagcttcac tccctnanta acatgnttg atttcttgat caaccatant ttttacngaa 360
 tttctttent tactnanccn tgaaatcngt ctctttnaaa ntcttactt tggatggnc 420
 tcttctgnnt gctacnccaa atnaatntna tctaantct atntagctta nnttccagca 480
 tanccacanc aatnncatta aatgattnt tcatgtggca ngactttaaa ctccgtcacc 540
 catcctattt gctcntctca aagagcttcc nccccgantt gctccctgng gaaattgccc 600
 antttattaa atngnanaat gntttttttt naatnctaca gganctnccc cgnttgntat 660
 tgggtgcacca ntntctanaa annaggtntct cttgaanatt tttctggant tntgntntta 720
 ccnaagtntc cttngtgggg cncttccct tccctacgc ctcttatnnn 770

<210> 1804
 <211> 922
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(922)
 <223> n = A,T,C or G

<400> 1804

```

gcngnnnnnn agnnnnnnnt gnnnncgctn antgaattnt ncaatgggna actcttgcac      60
gatatngnac cannggngna aggnnccgtt gctaggggtt acacaggatg nnggccctan      120
ccaatncatc aantgtatga cgacnattnc gggaggggaca cntntantgn accgcagnng      180
ccccactat caagncggtt nctatgggta canacnntgt gttccatttt gtcntnaaag      240
ncnanaatta ncatccngtt cgcaattgaa gaaaancccc cattgaaccc cnattaataaa      300
attgcncctg cnttnattnc cccgnacctt aaaccgggtc atttaannng gnaannatgg      360
cccccanctt ttngggcntt tttaacnttn ttcccggttt ccatttcncc aaangggtaa      420
natttaana atggaaaatt ttttnttga aaagccantt tttntttac caaaaattaa      480
naacaanngg ttgcccata gctttaaact ggntgggtgc natttttttt atttttccca      540
nttcctggca ttcccatngg cctngganaa tngttttccc tcccntgaaa gggcnttaac      600
ttgccttggg gaaaaaccaa aaantcgtcc cntttttttt tctggaaaacc ccncaaaanc      660
ccttanccnc cnaacctttt tttttttntt tttcccttta anttnncatc cttaaantaa      720
actgnttccn tngnggaaa aaaccattcn tggccaaatt nggaancttn cccaaaacnt      780
ggccccctc ntthttgtgc acttaaagcc ataaccgggg gaccaaacan aanngggtgc      840
tttaaggggc naaggnggcc ttcccaaatg ggaaatcccn aattattttc nttaaacaa      900
gaaattgggg caccggggat nn                                           922

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<210> 1805

<211> 922

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(922)

<223> n = A,T,C or G

<400> 1805

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accggangnc cgnnnnacn nnaanannan ccnnaanacn nanacgancg ngaggncga      60
agnagganan nacaangcnc gggngagnnn ncnnngngna ngcnaannca nccnccccg      120
cngtagngaa accccttngg caacncgcgc nnnangcaag gaancaacg aanccncac      180
ggcgacgaga annggaagcn accaaaccag ganganagtn ttcagaccna ngcaaaggaa      240
gcngganggg angaagaagc ngaacaacna ggaaacccag naacaggagg acaagcngng      300
gnagaaaang angccccng ggngaagccn acggaaangc cgaganctca accaaanagg      360
gagaagcngn nggnaaggnc cccgggcaaa anacgggnga gaaaangacn gcanggggan      420
naccnngnaa aaacggaaaa catcaaaacg gcacnngacn aagnaanggn cgaaaaaaga      480
aggagnnnnc cgganaccan agagaggaaa cgaccagggtc aaactaactn tggcacntgn      540
gggaccggga nntntnnaca aaagccacac cactcgcanc aacngggaca cacangatg      600
ncgcagangn acccctagng gnagagaana aaacngngan anngggacac ttaaaaacca      660
cangggcaac caagaacgag gangaangaa ggancctagg gcattccaaa aagcaagaaa      720
aanaaaccta agccccngg naaacgggga cnaangaagn ccngcnaaaa accggaagac      780
ntngtngagg gcaccnaaaa nnggggaccc ccnnaaagan ccgaaaggga gnaaannagg      840
ggactccggg aaaaaaacac cccaaangac acacncnnaa aacncncggg caaacnnggg      900
gaaaaaannn naanaannnc cn                                           922

```

<210> 1806

<211> 788

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(788)

<223> n = A,T,C or G

<400> 1806

```

ttancctttn nannncnnn nnnttttgca ngatnnnnn nnattcaatt cnnnacgagg      60
agtcaggaag gtaaggcgagg gnttgactga ataaactctg ccttttaaat tgntcatctg      120
ggccgggcat ggtggctcac gcctgtaatc ccagcactct gggagggtcga ggtgggtggg      180
tcacctgagg ttgggagttc gagaccagcc cgaccaacat ggtgaaaccc cgtctctact      240
aaaaatacag aaaattagct gggcatgggt gtgtgtgcct gtaattccag ctactcggga      300
ggctgaggca ggaagaatca cttgaaccca ggaggcggag gttgcagtgt gccaatgca      360
taccactgca ctccacctg gtgacagagg agaccccgtc tcaaaaattg attgatcaat      420
tcagcatctg agggctgcaa gtacagaagg aatctattct cagcaggga tagggcacgc      480
actggcttaa cagttaaata tataaggctc aaatagtcta tacctgaact gctataagca      540
agggcgatag ggaagtggat agattgcttc aancaaaagt gaactgtgag atctncaaga      600
cagagggaga aagatctgat ccaaatgaga acagattggn tattgcagggt ttcacagcct      660
aaaaaanta tctttttgcc aaaagaaata ttaaatgatt aacagtcctc cactgtgtgt      720
aatgttcaaa ctntattcat aatgngtata aatgggtaac aaaaatgnnn tacaataaat      780
cttttggn

```

<210> 1807

<211> 968

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(968)

<223> n = A,T,C or G

<400> 1807

```

ctcnnagcct tgcaactcnn gtctttttgc aggatcccat cgantcncan tngcacgan      60
gaccacngna aggtncctgg gcctttttng ggggataact gggngggcn aancnacnan      120
anatttgn cn ttnaaggnt ncttcancag ggancttanc tggttctnaa atccngatac      180
cnagagaann tatcctntct atggnggatg ggttttgaaa ccaggtcaga aaaaaggttt      240
tggntacct tggctttcaa accgggaatt gaacaagccg aagaaagtna aaaggggttg      300
ccccaaattt agcctnggaa tccagtgggg cntgaaaatg ttctttcttt aatcaatcca      360
ttgggtggaa gaatggtccc cctnntngan tgnaccccat ttattcaaaa ttttggggct      420
ttcaaagaaa atttttnggt ggggggttag nccaaattaa aatccttaaa accccttcct      480
tngccaagcc cccaattggg gntcaagggt ttgggggttna cccaagggc cntaaccatt      540
nggggngggc cnaaanggga atttcctngc cttangtccc ccaccggaat aaaccaattc      600
cttttttaacc caaatgggct tcaagccttc nttttngggc ctcccgatt tgggttaatt      660
ttcccaccca aaaaagggaat ggaatncacc accgtttgga aagtttttta atantggaat      720
ggaccaaccc cagccgttggt ttggangccc ttggaaatgg gtaccaattt cctatttatt      780
tccccaatgg gnggcctgga taaaannngg gcctggaaa agggaaatcc gggnaacttg      840
ggtgggggtcc ntgccaaaaa tcccccaacc ttttgatgt gccgtggaaa attgtaaaat      900
aaccatcagg ccgtttgaat gggatnggga gaaanaaacc tngccaatg ctttcaagtt      960
accaanaa

```

<210> 1808

<211> 733

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(733)

<223> n = A,T,C or G

<400> 1808

```

ccccgatnnc tttggagaat ttggtccttn accttgagga acacttcttc ttcaactttt      60

```

```

tatttctccc tgatgttaca gtttggtaga tttcaaactg gaatagctag catgtgcttg 120
ctaaataatt ttatgccagc cttatcctgt atcctagctg ttcttaacag caggtaaaaa 180
aatgcctggt tttcagcaag gttgaaattg ggaatgtcct tttgaatcag aagaaaaatag 240
gccatagact catctcccag cacaaatggg cattctatga aatgggtactg gccctaggag 300
gatttctca accactctcc tactcttggc cttgaacctc cctctgggtt ggatcttact 360
attgtagctg ctactatac cctcctgcat gcttagaata atgctttgag gggagcactg 420
gtaaaacaca gtatttattt ttttacctcc ttttaagagga cttggaggta agttgcattc 480
attcactcaa gtttccctct tgctgtctaa tanaagctta ctttttgcta tatcagcatt 540
tgttacagcc aatatttaag gacaaaattt agaaaatata tcatttctctg gccatcatc 600
anaactaata cagcttaacc ttgcaagcta ccaacttttg nggcaagcta nanatcttta 660
atttgatatt taaggngcaa ggaccaacna tntatttaag aaaattggga gacatgnaag 720
gcaaagcttt tgn 733

```

```

<210> 1809
<211> 744
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(744)
<223> n = A,T,C or G

```

```

<400> 1809
accnnccaat cgccgaagnt tccnctgaca ccaggntnga ngcatnggng cnatttcggc 60
tnacngaaag ctnagcntac cngnttcacg ncnttcnnct gtengancct nntgagtnnc 120
tgngantaca ngccttngcn naactaaant ttngnattgt ttntaanaga natgggggttt 180
nnccnntata gccaggatgg tcgcgatatt cntgaccntc ctgaagcgcc tggctgancn 240
tgcnacagtg tgggattata gggtnagag ccactgcgcc tggataaant attancantt 300
ttcngagacn gcctggtggn gtcaacctg ctggattgca ctgngtgat cttggcatca 360
ctggaacctc acgactcctg ggtggcnaac gattctcctg tntcaacntn cccaagtngc 420
ttgnnccnan ngngnccac cncataccc cggtaattn tgtattttta ctgacatacn 480
cggtcanac tgatantgtc cngngtgnt gatacaantc ctganctcna gatncanctg 540
anntganctn tcnaaagtgn tntgaataan nagtnngntc cannagcnc ctgcccant 600
attttaanaa cgtaccatta ataatngnct atnntcanc tggcnttgnt canannanaa 660
cnttncetta ttcnccctt ctantagacn gcctnanan cnntttttnt nttngngggc 720
ccccataac cnttcccnc ntcn 744

```

```

<210> 1810
<211> 794
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(794)
<223> n = A,T,C or G

```

```

<400> 1810
cancntent nnttgctnaa gtncagnc ngggacggga attggttttg atcttgnnca 60
aaatcttcnn tanggttgc nttgctgcnt gactgctgnc tacattcgga aaantctatt 120
ttgtgaattg gnagctaaat cccttactac cctgacaccg tggntctac tgtatttctt 180
ttcaagggtc natttgcttc agagttccag ncagntagat taagcaagag gctccagaan 240
aaatgtttac ttgaattttg cgcttctttt cttgatagtt tcctatataa aatttgcat 300
tgaacaagag caaatgctga agtattaatg aggacaaaat gactgtgccc cattagcaag 360
aattcaggaa tcaatacaga cagtattaaa ttaatatgctt aagtgaanaa aaaaaaac 420

```

```

tagtgaaaat gtattagccc cnattaaaatg gccnaaagga cttntaaaag gcnagggggcc 480
ttaactttcc agtcctgcac caaataaaaa attcctnacg actctccact tttnccaagt 540
gggagggttg gtcttaactg gaccttgctg tatttttntt nnttngaaag gncggaattn 600
gctggtaaaa acttttncct accnttggaa atattngnga cncctaggc nnttttttaa 660
ggntctcnaa aanaggggaa tggccttatt gccancttg ttnacaaagt ngtgnaana 720
aaaagcccc cctgngctgt cangaaaagg ggnncntctn anancctctn gggtttttcc 780
ttttcnnng gccg 794

```

```

<210> 1811
<211> 739
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(739)
<223> n = A,T,C or G

```

```

<400> 1811
taccgccggn tcgaattcgg cagcaggaga accttgacaa gaaagatgca tcaatcaaca 60
tagaaaaatat gcagtttata cacaatggca cctatatctg tgatgtcaaa aaccctcctg 120
acatcggtgt ccagcctgga cacattaggc tctatgtcgt agaaaaagag aatttgctg 180
tgtttccagt ttgggtagtg gtgggcatag ttactgctgt ggtcctaggc ctactctgc 240
tcatcagcat gattctggct gtctctata gaaggaaaaa ctctaaacgg gattacactg 300
gctgcagtac atcagagagt ttgtcaccag ttaagcaggc tcctcggaag tccccctccg 360
acactgaggg tcttgtaaag agtctgcctt ctggatctca ccaggggcca gtcatatatg 420
cacagttaga ccactccggc ggacatcaca gtgacaagat taacaagtca gactctgtgg 480
tgtatgcgga tatccnaaaag aattaanaga atacctagaa catatcctca gcaagaaaca 540
aaacccaact ggactcntcg tgcngaaaat gtagcccat accacatgta gccttgga 600
cccaggcaag gaccaagtac acgtgtactc acagaggag agaaagatgt gtcccaaang 660
atatntataa atatttctat ttanccattc ntganatnaa ggagccctgn ttgcnttgat 720
gnaaaacant gntatnate 739

```

```

<210> 1812
<211> 922
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(922)
<223> n = A,T,C or G

```

```

<400> 1812
acctngtntc gctcaagnat gtnggtncnn nntctgtngg aagtgaagtn tntcngggcg 60
tcggtnttcc gtgatanctt gcntcngttg ctgatggct tnngettang gtcttgnnnc 120
ttntaccctt gnnnnnaccc gncnngggc nnnatatnnn ntngntneca gggtnctntn 180
ttganaaana nnacgtgtgc ngggctntct anctggggng nnnngcnntc gtgncctata 240
tntgggnaggt cgtcnnctn tngtcttcc aaaaantctn tnttgnactn ttctacacan 300
aacagantnn natcatnggc tagatggatn cngncanagc cngnnncnnn atngnngnta 360
tttctgangg tctgntntna atatcacntc cnggggagnc acnggancat ggntctggnt 420
aaaacnnntc atanccccc aatatgnccc cctccctntn canccacttt ttcttntgcn 480
atthttgccc nntttcccc cctcancttc nacgnaacaa tgnacntagg ggncctntt 540
ggnatgatnn gggnccttnga caaagnaagg ggangggggc tcngaaacgn gattatcang 600
cncccccct nategcttg attgtcaaaa tcattggtgt accctcaaac tggngnngn 660
ngaaatcntt ancttttttg ccccnccgt gnngttttca ncccccaana nanaccacn 720

```

tnnccgcnc	ttgttntaa	ctnccnaaat	attntgntcc	ccccnngccc	ttnggggatt	780
tcgcctcnng	ataaaaaana	ancntcttt	ntnttttttc	cggacccaaa	acccttttgt	840
aaattnntt	ttcttaggca	aaagnttat	tnccccnct	tnntttcacc	tttctttgcc	900
cccttntnna	ggaannanaa	aa				922

<210> 1813
 <211> 1188
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (1188)
 <223> n = A,T,C or G

<400> 1813						
cgacancnct	ttggnanctc	ccngtctttt	tgcnggatcc	ctcgattcga	atnccggcacg	60
ggagattnga	ncgccacctg	gggcantttt	tnccctngccc	ctggngggggg	tcnatctann	120
cgnatgcntg	ngtangccct	cntgtcccn	ttntcaccgc	tgngggaggaa	atcaccacagc	180
cannccagg	atggtccaga	accnnttagg	cccccatatc	ctgggaaanc	catactcgtn	240
ccatggcnaa	tggntnggn	aaaattcctg	gaaaggnggg	tggtaaaaat	ttcccccg	300
gccntatttt	cctntacca	cccgaaangg	gaggggaaaa	ttttttcggg	acccaggggg	360
nttggggggg	gcccattnan	nnncctttt	cctccacca	tttagccgga	atnaatnccc	420
ccattccngg	ggnttgaaa	anaanaaant	nnnnnncgct	cccaagnaaa	tgggaaaaaa	480
ncctnggggc	cccnaggna	attttnaatt	tttnaggggg	gggaaaaagg	ggcccatata	540
tnnatttgca	aaccccttct	aagaaaaana	nttnggccca	nanaaagnna	aaaaatgggt	600
cccccccttg	ggtnaaaaaat	tggaaggaa	tttttaccct	aacccctngg	atggnccttt	660
ccctaaggga	aaaanaaatg	gtttccccc	cccnnggcgg	ngggnaattc	cctgaggggg	720
cctttttggg	gccccagggg	gtnaaaantt	tncccccg	ccnccccntt	tgnaattnta	780
tnccaanttt	ccaaaanccc	ctnggccaaa	anaaagncaa	gggaccccn	ccttgggggn	840
gaaaggggaa	aggnaaaaga	acctggggaa	aaatgggaag	gnaacatncc	tngggggggn	900
aatnanangg	ngggtctcgg	gggggtttcc	caccnaaagg	nangggtcgg	ctttttgggc	960
ccccgctatt	taaggnaana	aatacctggg	nggagggccc	gggggcnct	gggggggggc	1020
ctntnccaat	tggtgggcaa	ccccccagg	cnccctntgg	gggacnggcn	tgggangggg	1080
gggggggggg	aatcccnccc	cggaaaggcc	cggggagggt	nccttaggaa	cccnngccc	1140
gggcccac	cntngggggg	gaaaaccnc	cntcntctta	cntaaann		1188

<210> 1814
 <211> 763
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (763)
 <223> n = A,T,C or G

<400> 1814						
ntnagtcnnn	ncgaggaagg	atntcactct	ttgccctgtg	gcctctccct	tttccccct	60
tctggttggg	ggaggagaa	gtgggaanta	gcttggnanc	tggnattgagc	acatnaggcc	120
aangctgcag	ggagctgtgg	tcgcaccact	gcactctagc	ctgggtgaca	gagcaagacc	180
ccatatcaaa	aaaaaacggc	cgggcgtggg	ggctcacgcc	tgatcatcca	gcactttggg	240
aggctgaggc	gggtggatca	caaggtcagg	agatcgagac	catcctggct	aacatgatga	300
aaccccgctc	ctactaaaag	tacaaaaaaa	attanctggg	tgtggtggcg	ggcgccgtga	360
gtccagctca	ctcaggaggc	tgaggcacga	gaatggcgtg	aacgcgggag	gcggacttgc	420
antgaancca	agatcgtgcc	actgcactcc	agcctggggc	acagagcaag	acccatttat	480

```

caaaacaaac aaaactgtga tgataaaaaa gccccataaa cactaatatc aacccatgct      540
actctgcct taaatttttn aanattcttt gcacgttgnt tactttanta acnctgggnn      600
aatcnctttt ccccntggg ngnttgagn naaataaaact ggttatccct ngecntngaa      660
aaggtanaaa ttaaagtcaa ttttggnena aaccaactct antncacttn nctcncncn      720
nccctnnncc cncaaanatt tctcnnctt tcttttcccc ncn                          763

```

```

<210> 1815
<211> 947
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(947)
<223> n = A,T,C or G

```

```

<400> 1815
ctctatcctt tcaactcngt cttttgcagg atccctcgat tcnatcgcc cggggggccn      60
tncnncnnga cccccengan tgnngggggg ggcttttggg gccgggagac cccttngttt      120
tnncttnegt gcccggagtt gggggccttt anggggcncg ggaaatantn ngttttttan      180
caaggggancc ttggttcccn ctacccttnc cggtggttg gaggagggan aaatttngcc      240
ccttggggct tgggatgggn naatctctcc ccatgggaaa naaaccccnt tncctngtaa      300
aaaccggttt tgggggaaat ncgnnccnc cttttcctta aagaaaaggg naaanaattt      360
nccnttttaa tccccnnnc aatattttgg aaaaatccctn ggggccnttt tngggaaatt      420
aaaanttaaa aaagggccnn cctcctgggc cctttaancc aggaagaaa atngggcccc      480
cnaaanccct gggncattg gganccaaag ccanttgggt tttgggaaa aggtttccaa      540
ggaaaagccc aanttccng gtggttaanc catggtncac cnttngtngc ccttttaaaa      600
aaatttaagg cctggtantc cncctatttt tatttaccng gggtantaaa ttttnggga      660
ggttttantt tttttcaaaa atccatggtt nccttggnc cccagaagtt ccttttaagg      720
gttnaaccac ctaaggggac ctggcggtcc catggtacct aagtattaan cagcctttgg      780
ggttttggtt aanaaatttn gggcccacca tttttggaat tattaaatgg acccacttc      840
catttttcnc catggttacc tcnagttccc cttaaatang gaanggggcc tctttttggt      900
tgnanccngg nanttggtt tttttttttt ttaacnttta tttggat                          947

```

```

<210> 1816
<211> 760
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(760)
<223> n = A,T,C or G

```

```

<400> 1816
nttattcgnt ctacagctgc atgcctgcng gtcgantctc atngatncnc aggggtgagc      60
naccacacca ggccnagent tttctttcaa atacaaggaa atntttttct gatttaaaaa      120
aaaaaaacga actttttttc tgatnatcaa agggaaagt gcaaagatga aaataaangt      180
catctgtaat ctacagtaat accaggtaat taacattttg ctgtatttct taccactgaa      240
aaaaatgcat agttttaagc tgggtgtggt ggtgagcatg tagtccagc taagtcccca      300
aagggttcac tttaccggct gctagacaga gtcgatttac caagacaggg gaattgcaat      360
ggacaaagag taattcacgc agagccnngc tatgtgggaa accagagttt tattattacc      420
caaatcagtc tccctgagca tttggggatc agagttttca aaagataatt tgcgggtag      480
gggcttggga agtggggagt gctgattggt caggttgag atggactcac agggggcgga      540
agtgaatttt tcttgctctc ttctgttccg ggtgggatg gcagaactgg ttgagccaga      600
ttgcgctctg ggtggtgtca gctgatccat cgaagtgcagg gtctgcacaa tagctctgat      660

```



```
ccgtagggnc anaaaatggn gcatattatt cccaagaacc aattagggat ngantatact 720
ntntgnagcc ttatcttctt cccctaactn gnantttccac 760
```

```
<210> 1817
<211> 940
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(940)
<223> n = A,T,C or G
```

```
<400> 1817
nnengannnn nganncnct tacnnttgna tnacccannn ctnaancnntn nttnnatnta 60
tngaattnacg gtngnnnnang cgncttannt ngantnaann tttctttnnn cnnnnnnngat 120
tttaaaccce ttngnctgn ccnctnana anntgccatg tactaactcc gcttgctgat 180
gactgaagtg gcctggacta aagatgagnt taaaaagaag ctctggatga tgtaaccctt 240
cctcgccctt aaggccttca tacctcagct cctgtcacgg ctgcacattg gaagcccttc 300
tcccatggga aacataacaa agcaggetgc attaggaatt atgcagatgg ttgaaggaca 360
ccctcattga acatgctcat accaaacctc tccttcaagt cagctgggtc ggtatagaga 420
agttcagctc cctgacagag ggatgggttn gtttatcagc agagaaaatg aagntcacia 480
taacttgttg natccgagat atactaccaa acaagacatg caaaagcacc tnngaagaat 540
atgtttcttg gagctcttct gtcaanatta tctcgnaacc ttgcttnaan ancctgngca 600
ccaagggang cangatgggg gctatatacg gacttnnanc nggggcccnc gntcgannct 660
aaatgggcat aacccggggc ttggnggat tcatccaatc canntcggaa aaaagggcac 720
cctnancatc cttnnnaaag gnaannngtg gntaagcncc ccccnnaaac tatnncatgg 780
ggnaaanncc cccnnnnang gnaccatnaa tanaatgaan ggccttcca cnaaaaanaa 840
atttcanggc nntaangcan ctttcntgga tncctcccc ccccccncac tgnnnntntt 900
tcntcccccc cccnggctaa aantattggg ggacccccct 940
```

```
<210> 1818
<211> 957
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(957)
<223> n = A,T,C or G
```

```
<400> 1818
tgncacnnng nnaagtgtgt gnaggcctgn antttngcat agcgtanntt tgtgtgncn 60
nanantcnct agantatat ancnntttg gnetntgnac catagagtgc ncncnngctn 120
aggngnggtt nactccgagt gagaatggan tgggttaggc ngttnttta nctggggcna 180
gaggcncgtg tnattttgnc ataagntcan gtcnctang gcncatgct nccngagnc 240
anngggtaac tannncncta annatccngg ttatttcggn ngatananat cctnntggng 300
atatggacca ntntatgtac ctnattgtnc ntnaantaat tntnntntgg ttngtgacct 360
atnntcnccn natattattac ncggngntag ttcannccctg annngnnga cnatnnngtn 420
ntcggctatt tanaaccgnt nctatattgg gntctgtggn ncctacnann attgntacaa 480
cctactnttn ttntttcnta tcttcactaa ttgntnatgc ncnactgggt ngaaaagatcg 540
nccanncnan ttanatggtc ntnanaantn aatggagagn acnanttgn ctnnggcaan 600
aannnnngatn aangngnnc aaagtgnntc nngngnggng gcgtnnncann naataaanag 660
ggcgnggggn ngaataatag nntnncannc ttatggtatg aaannaacnn ctggngngtg 720
ngnnttaanc nccaannngc natntntnta nnnngngngn tgctctnann gttgntnna 780
tagagteccn gctntnttn atanngccgc aaatanacna angagtgttn tnttcnannn 840
```

```

anaaanaata ctgncncnct atttncntng ngcattannc antcctnatn cgnnnntnta    900
aantcncntt nnnttatntn nngttcacan ancatattnc cgtantntgt atatnac      957

```

<210> 1819

<211> 972

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(972)

<223> n = A,T,C or G

<400> 1819

```

tnnantnnct tcaactcttg ttctttttgc aggaccctcg attcganaca agcgacactc    60
tagtggtgat gggaatagta aattaaaaag ngagtatcnt ggatttggac aacgnnnanc    120
nncaaaatnt gagatggttg aatgaatggc ccnntgtcat gatanatnag gncacttttg    180
gaaaggggtg nggnncgaan gngaaatatt ttcnngtggn ttngagcta tttttccttt    240
caagtccttc tcttttnncn ttgcnatncc cnnncttgtn ntggatgnat tgnancanca    300
tctcctnnn ncctnanant nggaaatngt taaatnnct annnggttcnc cattcatttn    360
nttaccaaac ggntancnt tntttccnct ncccttttnn cctcgnntna nnnntcttgg    420
ttttttttcc cccctctngg gctnnanata ntnggtntn ccatnntttc ntannggggg    480
aaaacaaaa tatctncccc cattttttng gntaacnggg ntaaaaatctg ntngctcggn    540
anttttcaat aaaantttan tctccnccn actcncaatc gtnntatgta aacccccccc    600
nttttttttc ncctncngng aaaatatatg ggcntaaaaan atnatnnatn taaaantttn    660
ttttcacent nngncanctt ngantntnct cactnataat ntctccnntn cctnagangc    720
tncactttcn antttccnan tnnctttcnt attanctnnc canccnannc ttaatattn    780
ccattcgnnc aacntgggcn ccatttcctt tttgngttan tncanaaaat tancecttcc    840
nttgtnagcc cccctttntn ntntttnatn tccttttngn ctctttaacn tnggtgancn    900
aaanantatt ataccntccc aanaacnttn tcttttnccc ctaaatttcc ctctttttaa    960
naccctttgg tc                                                         972

```

<210> 1820

<211> 724

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(724)

<223> n = A,T,C or G

<400> 1820

```

agttacacgt tcnttaanac ngtgcactct gaantgtact cagtgaatct ctgttttgng    60
tttcattaat gctatttcac cagtttagaca taattacttc taccgntgtg aatganacng    120
atgccggngg agctaccana tcttttcncc tcaactgcta ggtcaattag attgccatnt    180
taaaacttgg cggattctac aagannatnt gacnaccagg aactacatnc tatgatggaa    240
aactatccat actgnanact ccntgtgtaa ttatcatgct gctgctgctg tgctctggaa    300
ntctcaatat gacatttana ctctgcgcct actaaaggca tcttctggag tttttgggag    360
gananaaaact gganaattaa atcgnatttt ngccanaaga ctcttacttg catgtgtctc    420
aaggncnca atttttctat aagnnnccat atccaangtt canaattcat gtganatact    480
tctttggggc anaagnnctt cattcctggg ntntattgga tcgnaaatct gtagcaagan    540
gctgnttaaa attaccatan tgggtttnta tcttatactc agctctcngg ctattgaact    600
tcttttctng tttgaagnta gcttcaaaat ttgctcctat gctnaattac ctgnaaatat    660
tctggatang aactacttcg aaatantaat ttggtnaaag atatgacaaa atgaaatgcc    720
ttaa                                                         724

```

<210> 1821
 <211> 1507
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1507)
 <223> n = A,T,C or G

<400> 1821
 gngnnnnnnnn nnnnnnnnnn nnnngngnnnn nnnaggggng nnnnnnnnnn nnnnnnnnnn 60
 gnnngngnggn nnnnnnnnnn nggnnnnnnn nnnnnnnnnn nnnnagggnn gnnacttttt 120
 tgggaaaaan cccccnnnn nnntttttta ttnannancn nngggggggc nccccgaatg 180
 ngagggnnng nnnncnagat aagggggcgn nnnnggggng tttttttttt cnnannnnnn 240
 nnnnacnnnn cangngggg gggggggggn ttttngnan gnnctnnnn ccnantnnnt 300
 ctangngngn ngcngcgtng ngngnnnggg agangnggng tngcnnngcg ggnggggtgaa 360
 gcnaatngag ggnnnatcgg gtngacnng gnngggaggg ggggaatggnn gnnngngnga 420
 gtnggnntat gtgnngnngc gtnccgngnn nggggnncnn ncnggggggg ngngcngtac 480
 nngggngcga ggngtancgn ggngcngcng tngngnnct gggnnnaggn ncgnaggtcg 540
 cnagggggag cgggcgggng ggggcnnngn gaatgtcggc ggnnnnnngn nggngnccgn 600
 nagccgcgng gngntngctg nggcagggna ntggngnnngn gtngntntag agnacgnnng 660
 ngnagcacgt gcggcgtnta gnnagnngng anangggcga tntggngact ggngnggagg 720
 gggggaacntn tngngangt gtggngnang gacgnngntg cngngcgggn tcnggggnga 780
 ctgagggggn tgcngatggn agggngnnga anggggtcnn gngngngggg tngngangnn 840
 tnnngngnnn gnnncngancg ntncnngggg nngngggngt ngtnngnnng nnnngcgnagn 900
 gnnchnngnn nnntagnngn gggnnnnnga gagnnnnggn nnnnatcgac ngngnnnggt 960
 acnnggtggn ggtagnngan anngatnggg ggnangngcg nntngnctng tncgnngnng 1020
 gttngngnaa gacgtngcg nnannctng gngngggann gagtnggggt gcggacngng 1080
 aangggtag ggggtacggn nngtangngg gnnagcgnag tngtagngcg ngtggtgcgn 1140
 ncngganncn nggnnacnnn ggtngatgg gggcacngga agacgagcgc tngcgacgn 1200
 ngggangana tagntnggt aaganagagg gnnngcggng natgctgtcg acgtntncan 1260
 gtngcnggtg ngcngctgt ngcntgnagg angggggggg ggnnatgtgn atngntnnna 1320
 gcncangng aggggcnnna ttagcgtng gcgcgggctn ncgggggggn cgnnngtcat 1380
 ngacgncnng tngcggagtn ttgcgncngn gcgagagnng nnnngggngg nggtnggcgc 1440
 gggtagtngn naggagatga gtgcnggatg ggaagctcgt ctngtaggt nggggtcgat 1500
 gcgcgcn 1507

<210> 1822
 <211> 726
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(726)
 <223> n = A,T,C or G

<400> 1822
 ntttgacccc ttatcgccga gtgaggaaag aatagtcagt aaattgatgc gatccctaaa 60
 aagggcagca ttgcagcgc caggcataag acgtgtgatt gaagatccgg aagataaaga 120
 aagtagacta atcatgttg atccctataa aatatttact catgattcct ttgagaaagc 180
 agaactcagn gtttttagagc agcttaatgt cagtccacag atctctaaat acaatttggg 240
 actaacatat gaacacttta agtcagaaga aatcttgaga gctgtgcttc ctgaaggtca 300
 agatgtaact tcagggttta gcaggattgg acatattgca cacctaaacc ttcgagatca 360
 tcagctgcct ttcaaacatt taattggcca gggtatgatt gacaaaaatc caggaatcac 420

```

ctcagcagta aataaaataa ataatatgta caatatgtac cgaaatttcc aaatggaagt      480
gctatctgga gagcagaaca tgaatgacaaa gggtcgagaa aacaactaca cctatgaatt      540
tgatttttca aaagtctatt ggaatcctcg tctgtctaca gaacacagcc cgtatcacag      600
aacttctcaa acctggggga tgccttattt gatgtttttg ctgggggttg gccctttgcc      660
attccagtag caaagaaaaa ctgcactgta tttgccaatg atctcaatcc tgatctcata      720
aatggg                                           726

```

```

<210> 1823
<211> 746
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (746)
<223> n = A,T,C or G

```

```

<400> 1823
ngttacacct tnnantccgc acgaggagag tgctncctta aaaatgcaaa gttgaagaac      60
tgtaacctca gagagcaaac tctggcagga actgatttag aagaatngtg atctgtctgg      120
gtgtgatctt caagaaancc aacctgagag ggtccaacgt ggaagggagc tatatttgaa      180
gagatgctga caccactgca catgtcacia agtgtcagat gagaatttta ggggctggag      240
gaagatgtaa aagatgaaaa tgttttcctt atcacttttc tttctccacc cactcagttg      300
tctagaagaa ataacactgt aaggaaattht aaaaaaaaaac atttagagga ttatgcttgt      360
tttgagtggg gcataaggga aaaaactgac tttttttcca tattctgatt tttaacagaa      420
aagcactcat ttaatagatg tagggaaact agatattgct gccttttgaa tggggtaggg      480
gggtttacct ggttttatga ccaggcatag tatctattat atttgctttt aaataggcat      540
gatgtggaaa taccatcttg gtttgagatg cattttgagg gattttaatt tatgggaaag      600
cccaacatta tgccattata tttattggna ttcctaanat gcngtatggg atatttaaaa      660
ttgntaaaac tttatgaaaa cttgggaaaa ngntgttcaa ggtttataaa taacctttaa      720
tggatgcctt ccctcttttt aaannt                                           746

```

```

<210> 1824
<211> 1059
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (1059)
<223> n = A,T,C or G

```

```

<400> 1824
nnnnnnnnng nnggnnnngg gnnggnngnn nnnnnngngn ggnnnnnnnnn nnnnnnnnnn      60
nnnnnnngtn tgantcttg aaancccnng nnttttngna gnaccggggg ggccggattg      120
gggttcgggn nnnnaggggg cnnnancctt ttttttnnct ngnggccggg ngncgggggg      180
ggggggggtt nannngggng nngccncenn tgntnnnnnn gggnncgcnn nngngncngg      240
gcanngggtg agggggggtn ngntgggncn ngnggggntn gncggtnnng ncgcnaccng      300
atgggtgggn tggtnngnnn tgccnggggg aacgtggggn ncggcggggn ngtgggnnac      360
cgcgggggng gggggcggn tncaaaangg nntgcggggg gggnncntcc gtgggggngg      420
aggnctggnc ccngggggga ggngggncgg nggggncccg ncngggccct gtnnncgcnc      480
cnggncggcc naggcngggc cgnntggggg ccnngngtgc nnnnnngccc ggcnnngnt      540
gtccccgggc nagggaangg gnntcgggnc gggngngnct gtgntggggt gcngggggnc      600
nggggggaac gtgggggggg ggggggncce tggggggggg gnnnnngtcn ggncggagga      660
gggggnggcn cnggggngnn ntanggnang gggcngacng angggncngg nnnngngngn      720
gaagnccngn ngnggnngnn gtngggcggg tntngcccna tcagattgng ngaagggggn      780

```

```

ggngnangcg nngcngnggg gggggggggac cggggnggnc nngggnggtg tgggntnngg      840
nnnncgnggc gtnngggggg gnaanggggn cggggnggca gggccgggtg cccgggtgggn      900
gggggtgnng gtgntggcc gnnngccggg gnggctncng ggcngangg gggtnangnc      960
cnnnngggng ggggggncan cggagggggc ntttangagc cggatgnnng nggggngngn      1020
ggncggggcc nnnacaattg ggangnnnng gngtgancn      1059

```

```

<210> 1825
<211> 739
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(739)
<223> n = A,T,C or G

```

```

<400> 1825
nnttacnecn teganecga cgantggang aancnacaag gaaaancnng cncntgnaaa      60
angtnacagg tcnatnecg atggteectn cctatntgtt ngctnagttg agcctntggt      120
ntcgggggtgt ccacgggggg ctentcgtgc tgggatccgc caacgtggat gagaagtctc      180
ctggggctacc tgaccaagta cgactgctcc agtgcggaaca tcaaccccat aggcgggatc      240
agcaagacgg acctcagggc cttcgtccag ttctgcatcc agcgcttcca gcttcctgcc      300
ctgcagagca tcctgttggc gccggccacc gcagagctgg agcccttggc tgatggacag      360
gtgtcccaga ccgacgagga agatatgggg atgacatatg cggagctctc ggtctatggg      420
aaactcagga aggtggccaa gatggggccc tacagcatgt tctgcaaaact cctcggcatg      480
tgagagacaca tctgcacccc gagacaggtc gctgacaaag tgaagcggtt tttctccaag      540
tactccatga acagacacaa gatgaccacg ctacaccccg cgtaccacgc cgagaactac      600
agcccttgag gacaacaggt ttgatcttgc gaccatttct tgtacaacac aaactggcct      660
tggcaagttt tcggtgcata anaaatcag gtgctacagc ttcgagcctn ttaaaactat      720
agtgagtcgt attacctaa      739

```

```

<210> 1826
<211> 1373
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(1373)
<223> n = A,T,C or G

```

```

<400> 1826
annnnnnnnn nnnnnnnnnn nnnnnnnnnn gnnnnnnnnn nnnngggggn ngnnnnnnnn      60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnncn gggggggnnn nnnnnnnnnn      120
nnnnnannnn aggagnntng aaactncttt ggggaaaaaa ncccccnnn nnnnnntntt      180
nnannngnan ccnncnngg gggngcgcc nncctttgng gggggggnnn nnnngnnnnn      240
angggggggg gggngngnnn naaanancct ttttttttnn nnnnnnnann nnnangnagc      300
nnnnaggngg ggggggggnt nttnnagag nnannngtn tnnngnnttt tttancnnag      360
gagngcaggg ggannnnnnn ggacnnangn gggggnnagn aagggngan nagnnannng      420
ggangnnnga ggnatcnngn aagannnann cgnnngnggg nannngngng cgggnagngn      480
gagagnnnag cncnngaggg ngggganggn gnnangtgtt nanganngng ngnggggag      540
ancagnnggg gnggaaaang ngngnannnn nnnnggaang gnnngnaaan gagnggnnag      600
ngtngcgggc nganggcann angnngcnng nnagnngnng cggngnnnna nngacagngg      660
gtangngggn nnanggnnan cagaagnntt agnagtata nagngaggcg aangncanan      720
ggcngggngg anngngngng aangnngcgn gannngnnna ngcaganggn ntnagnngn      780
nanggcngnn gggngnagng aannangagn nnnngnnngn nggnagnnnn nnnnnaagnn      840

```

nnngcnagnt	nnnngnngng	cgnnagcggn	aagnntgnga	nggtggnaa	ngnacgttna	900
ngngnncggg	ngngngnaa	gnanngcngt	gngngnggna	gngnnnagna	ntggngngtg	960
cnaggnngnn	gnagganngn	nnnnannnna	nngnnacgga	gcnnncanggn	ngngnannga	1020
nagangggng	naancangnc	ncgngnanag	cangnaggcn	nngnnanntc	gnnantntnn	1080
agagnatatc	annngnannn	atgtnnngana	gngaggacng	ngngagaann	nncgngnacg	1140
nnagcgangn	gnngntanga	ccangnangt	nnngcacng	nnntatgctg	ganngncggg	1200
ataagcngac	cgatnagng	ggacnnnana	nagatnnngn	agngggngcg	ctnnngngan	1260
nanatcnntn	ngagaggngn	agccgntagg	ncngnngaca	gngnananat	aangaagnnt	1320
cagnnancac	gganannnaa	naangnngng	gggtngacga	cggnngnacg	cg	1373

<210> 1827

<211> 737

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(737)

<223> n = A,T,C or G

<400> 1827

cnttttgnt	cntattatat	acangctact	tgttcttttt	gcaggatccc	atcgattcna	60
attcggcacg	agtggaggaa	agcagcaggg	taaaacctgg	cgctgcaaaa	tgtgcagggt	120
cgaatacggg	tggtcctcgc	ctatctgttt	gttcagttga	gcctctggtc	tcgggggtgtc	180
caengtgggc	tcctcgtgct	gggatccgcc	aacgtggatg	agagtctcct	gggctacctg	240
accaagtacg	actgctccag	tgccgacatc	aaccccatag	gcgggatcag	caagacggac	300
ctcanggcct	tcgtccagtt	ctgcattcag	cncttccagc	ttcctgccct	gnagagcatt	360
ctgttgggcg	cngccacccg	cagaactgga	gcccttggtc	gatggacagg	tgtcccagac	420
cnacgaggaa	gatattggga	tgacatatgc	ggagctctcg	gtctatggga	aactnaggaa	480
ggtggccaag	atggggccct	acagcatggt	ctgcaaaactc	ctcggcatgt	ggagacacat	540
ntgcaccccg	agacaggtcg	ctgacaaagt	gaagcggttt	ttctccaagt	actccattaa	600
cagacacaag	atgaccacgc	tcacacccgc	gtaccacgcc	gagaactaca	gccctganga	660
caacangttt	gatctgcgac	catttctgta	ccaacacaaa	ctgnccttgg	cagattcggt	720
gcataaaaaa	tnagtgt					737

<210> 1828

<211> 754

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(754)

<223> n = A,T,C or G

<400> 1828

tatncgttac	aactacttgt	tcttttttga	ggatcccatc	gattcgaatt	cggcacgaga	60
cggggaccaa	aacatnancc	gcttggnent	ncaaaaanaa	caacctgnag	gatctcaggt	120
ttcntctggt	ctgtggggag	ggcaaaaagg	ntcgggtgat	ggccacnntt	gggggtgacc	180
gaggcttggg	agaccacagc	cttaagggtc	gcagttccac	cctgcccata	aagccctttc	240
tctcctgctt	ccctgaggtg	cgagtgtatg	acctgacaca	atatgagcac	tgcccagatg	300
atgtgctagt	cctgggaaca	gatggcctgt	gggatgtcac	tactgactgt	gaggtagctg	360
ccactgtgga	caggggtgctt	gtcggcctat	gagcctaata	accacagcag	gtatacaagc	420
tctggcccaa	gctctggtcc	tggggggccc	gggtaccccc	cgagaccgtg	gctggcgtct	480
ccccacaac	aagctgggtt	ccggggatga	catctctgtc	ttcgtcatcc	ccctgggagg	540
gccangcagt	tactcctgag	gggtggaaca	ccatncttcc	actacctctt	catacttact	600

cctntacagc	ccaaattctg	aagttgtctc	ctgacccttc	ttttantggc	aacttaactg	660
aagaagggat	gtccgtttat	ncaaaattac	actattggca	aataaccaag	atggataaaa	720
aaaaaaaaaa	aaaccctttt	anaactatat	gagn			754

<210> 1829

<211> 725

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (725)

<223> n = A,T,C or G

<400> 1829

tttaaccnct	ntcgantcgg	cacgatggag	aggccttggc	aaaatggctc	atcacgttca	60
ggccctccgg	gctgagttgt	cagcagtatc	aagggagggg	cctgctctat	ccccagaagg	120
atcaggatca	tatccaggat	gccccacata	caccaagcca	ggcagagggc	agctcagctc	180
ctgtcccatc	tgctttggat	atctttaccc	aaaggcaggt	aaccggaaga	gccagcctcc	240
actgcccaca	gagccaggcc	cagttgtgtt	ggagtatagg	tcaggagctg	tggaaggagg	300
cagtctgtga	gggactcatg	ctttaggagt	cctcaccctc	cagactgctg	caggacattg	360
ccaggcctct	ctccacttcc	ttcctcagca	tacagacttc	atgctatctt	ccaattccgg	420
ggagtcttag	ctattagggc	agtttctgct	tctccatttt	ggggacaaag	gccttgccca	480
gtacaaatct	agccccttgt	cccacagact	tctggatggg	ataaacctag	tggcaatgta	540
gcaaccatag	gctagaacca	aaccacaagat	ttgggtcagt	gccctgttaa	gggttttagg	600
attggtaagg	acaccacagc	taaatctgac	atgtaaaagg	ataccctttc	cctgtcccac	660
tacgggtgga	ggctaaggac	cttctcagaa	cccacagatg	gctggtgaca	ttgggcacaa	720
ggctg						725

<210> 1830

<211> 756

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (756)

<223> n = A,T,C or G

<400> 1830

annnnnnnttt	ttacntcgnt	cgaattccgt	gctgtcgaat	tggtttggca	cctactacag	60
gatgatccag	accaacttca	ttgacatggg	agaaacatgg	tttggacttg	gctgaaagag	120
gagacagaag	tggaaggacc	ttcctggagc	agggcccttt	cgctttcaga	agggccgtat	180
tgagtttgag	aacgtgcact	tcagctatgc	cgatgggcgg	gagactctgc	aggacgtgtc	240
tttcactgtg	atgcctggac	agacacttgc	cctggtgggc	ccatctgggg	cagggaaagag	300
cacaattttg	cgctgctgt	ttcgcttcta	cgacatcagc	tctggctgca	tccgaataga	360
tgggcaggac	atttcacagg	tgaccaggcc	ctctctccgg	tctcacattg	gagttgtgcc	420
ccaagacact	gtcctcttta	atgacaccat	cgccgacaat	atccgttacg	gccgtgtcac	480
agctgggaat	gatgaggtgg	aggctgctgc	tcangctgca	ggcatccatg	atgccattat	540
ggctttccct	gaaggggtaca	ggacacaggt	gggcgagcgg	ggactgaagc	tgagcggcgg	600
ggagaagcag	cgcgtcgcca	ttgcccgcac	catactcaan	gctccgggca	tcattctgct	660
ggatgangca	accgtcagcg	ctggatacat	ctaataagaa	ggccatccag	gcttctctgg	720
ccaaagtctg	tgccaaccgc	accaccatcg	tagtgn			756

<210> 1831

<211> 742

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(742)
<223> n = A,T,C or G

<400> 1831
nnccntttt tcnncnccga nttccgntgc tgnngctgga naatanctac gaagctgccc 60
gatggccagg tcatcaccat tggcaatgag cggttccggt gtccggaggc nctgttccag 120
ccttccttcc tgggtatgga atcttgcggn ntccacgaga ccaccttcaa ctccatcatg 180
aagtgtgacg tggacatccg caaagacctg tacgccaaca cgggtgctgc gggcggcacc 240
accatgtacc cgggcattgc cgacaggatg canaaggaga tcaccgccct ggcgcccagc 300
accatgaaga tcaagatcat cgcaccccca gagcgcaagt actcgggtgtg gatcgggtggc 360
tccatcctgg cctcactgtc caccttccag cagatgtgga ttagcaagca ngagtacgac 420
gagtcggggc cctccatcgt ccaccgcaaa tgcttctaaa cggactcagc agatgcgtag 480
catttgctgc atgggttaat tgagaataga aatttgcccc tggcaaatgc acacacctca 540
tgctagcctc acgaaactgg aataagcctt cgaaaagaaa ttgtccttga agcttgatc 600
tgatatcagc actggattgt agaacttgtt gctgattttg acctgtatt gaagttaact 660
gttcccttgg tattaacgtg tcagggtgga ntgttctggg gatttctcta gangctggca 720
agaaccagtt gttttgtctt gc 742

<210> 1832
<211> 742
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(742)
<223> n = A,T,C or G

<400> 1832
nnnnttttga actcctnttg agaaganacc gcagatctgg tcagccatgc agggacacac 60
tctgtgttac caagaactgg ctgtctgcag atactaaaga agagcgggat ctctggatgc 120
aaaaactcaa tcaagttctt gttgatattc gcctctggca acctgatgct tgctacaaac 180
ctattggaaa gccttaaac gggaaatttc catgctatct agaggttttt gatgtcatct 240
taagaaacac acttaagagc atcagattta ctgattgcat tttatgcttt aagtacgaaa 300
gggtttgtgc caatattcac tacgtattat gcagtattta tatcttttgt atgtaaaact 360
ttaactgatt tctgtcatte atcaatgagt agaagtaaat acattatagt tgattttgct 420
aaatcttaat ttaaaagcct catcttctta gaaatctaatt tattcagtta ttcattgaaa 480
tattttttta aaagtaagaa atctgagttg tcttcttgga gctgtaggct ttgaagcanc 540
aacgtctttc angggttggg gacagaaacc cattctccaa tctcagtagt tttttcgaaa 600
ggctgtgatc atttattgat cgtgatatga cttgggtacta ggggtactgaa aaaaatgtct 660
aaggccttta ccagaaacat ttttagtaat gaggatgaga actttttcaa atagcaaata 720
tatattggct taaagcatga ng 742

<210> 1833
<211> 1073
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1073)

<223> n = A,T,C or G

<400> 1833

caacnncanc	ccnncccnnc	nanncnncnn	nnnacannan	cnnnaccnna	annangnnnc	60
cncnnncata	ctacatnncn	ncncacncnc	ncnccnanac	nngancacnn	nnncacannn	120
nncgacncnc	ncncncncca	acncactccn	netcaencca	gaacnnctcc	nancacacac	180
nanatatnan	gnnactcacc	tcantcttat	ncnnacgnen	cnacannccc	cnannnnngnn	240
cctttttgaa	acccctttcg	aaancncgt	ggccggnnaa	ataagcanac	tggaacgneng	300
tannatgtct	nttcggcaaa	gnantatnnc	tnnaccaaaan	ctagctngtg	actnatcneg	360
cagtcataag	acantcctaa	catngtgact	gtnaaagnct	tgagatggc	cgcnnnggctc	420
ctgnatcgac	tccgtcatta	ntncncatgc	aacaaaatac	gagccngagt	tnatnntaaa	480
angngaaaag	cnacncaaan	gaaactcact	ccattacgtg	gngaanaataa	ggaagtnatc	540
anagcatnnc	cnannatcan	ataagtaacc	catcaatgag	caatgccaaa	gaatactatn	600
tgaacngcnc	ncctctctng	ctntnaattt	ggaaatgagg	ccntgctacg	aaaacaactn	660
ccaanaaaca	acanacctca	angcnaancc	caagagggca	agacttnatc	nannatagca	720
ccccagaga	aaaaccacct	aacgactacn	nggtacngaa	gaanttcctt	tgccgcnngg	780
aaaaacagat	gaacangntt	gcngaaaagg	cncnancnna	tgtattaaagc	cannctcagc	840
cantaccgag	agntacnaga	aggacnactc	gnncgccccn	aagtacctgg	tanactgnen	900
canccgaacc	nggetnaaac	anacantccn	atngctcccn	nnccccacnt	cncncccccn	960
ggncngcnc	tnnncccnna	nancacnann	ncangatncc	cnntcnntn	ccctacnenc	1020
naccggccc	ccactannca	nccnctgnn	ctcnncccc	cgacnnccta	ccn	1073

<210> 1834

<211> 749

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(749)

<223> n = A,T,C or G

<400> 1834

nnntnnnnnt	ttgnaacccc	tttcgaatcc	gttgctgtcg	ctgattaatg	cactttgaag	60
ttctctggaa	ttaattatct	taacttggcc	tagcttcgac	tgtcaagggtg	gctgttataa	120
atttgacttc	attggcagtg	gatgaagcct	aagccagctg	agtctctatc	atagctgaac	180
cctgaggaca	gcctcatagc	tcattgtatca	gggacttttg	ccacatttca	gaggcatagc	240
atgaacaagt	aatattaagc	caagaataag	cagcagaacc	ctgttccata	tggaaaaaag	300
aaaaacaatt	ttttgtccct	aattgtcttc	ctttttacatc	ctggaacaac	aataaaaaaca	360
tttttttaaa	cttgtctact	gtaagatact	gccatcataa	agcagagact	tacatgagtg	420
aaaggggttg	ctcatcaagc	agctcagtg	aaatggggag	gctaggctct	ccccagccct	480
atgggttttt	tatttcatgt	accccaggaa	atactgtgtg	gtttctaaaa	gccctgggtg	540
ttaaaagtag	ggactctgcc	tttttgttgg	tagggagaaa	aaacgctatt	gctttgtctt	600
acagagcgaa	tgtctgccaa	ctaccogttc	attatataag	tctgaacttg	gtaatantat	660
ggctaagtga	gattaagccc	tctataaaga	cttcctgttg	aggtgaattc	tcatactgaa	720
atgtacttac	ctacaatatt	tactagagn				749

<210> 1835

<211> 752

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(752)

<223> n = A,T,C or G

```

<400> 1835
ncnnnnntttt aacctcgntc gaattccttg ctgtcggttaa ttgttggttc agtgtatgct      60
ggggacaaaag aaaaactaac aagccgacct gcctttatga taaattctag tgtgcttaca      120
agggatgact tcctgaggtg tgatctgtcc accttgaaga actccacaac tgaagaaggg      180
gagctgtgag aacgtggatt gttctacaac ttgcacaggg taacagagga agtggctgag      240
gcctagagtc acgttttcca gttcccttcg caaactatat ttcttggaac gcgaaaggaa      300
gctttaccta tttcatagaa gacctggaat ccataacctc agaaggcaat attattgata      360
gaaaatgtgg aaggatcagg aagttcttag attcttggtg gacagatgca tgttgatgcc      420
ctatggagat gtccttgtgt tttgaggtca ctgaggtagg aagacctgtc tactcttggg      480
ttcaccacta gaacagtctt gggctggatg ggttatagag ctgagcggct gtgatgggtc      540
tgtttttaca ttaacaaaaa caattaaaaa caccaaaaaa aaanaaaaaa annnnaanna      600
aaaaaaaant ttnggggnc cttttttccc nnanncccn ccnttnnaaa aacctttgn      660
naantttggg aaacccccn ntnnaaatn ntnnnnnnnn nnnnnnnnnn nnnnnnnntn      720
nnnnnnntnn tnnnnnnnnn nnnntnnnnn cc                                     752

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```

<210> 1836
<211> 750
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(750)
<223> n = A,T,C or G

```

```

<400> 1836
nnnnnnnttt gaaacccnc gtgagagcct gaggcagaaa tctctcgga caccctgtac      60
gaggcgggtg ggaagtcct gcacgggaac cagcgcaagc gccgcaagtt cctggagacg      120
gtggagttgc agatcagctt gaagaactat gatccccaga aggacaagcg cttctcgggc      180
accgtcaggc ttaagtccac tccccgccct aagttctctg tgtgtgtcct gggggaccag      240
cagcactgtg acgaggtctaa ggccgtggat atccccaca tggacatcga ggcgctgaaa      300
aaactcaaca agaataaaaa actggtcaag aagctggcca agaagtatga tgcgtttttg      360
gcctcagagt ctctgatcaa gcagattcca cgaatcctcg gcccaggttt aaataaggca      420
ggaaagtctc cttccctgct cacacacaac gaaaacatgg tggccaaagt ggatgaggtg      480
aagtccacaa tcaagttcca aatgaagaag gtgttatgtc tggctgtagc tgttggtcac      540
gtgaagatga cagacgatga gcttgtgtat aacattcacc tggctgtcaa cttcttgggtg      600
tcattgtctc agaaaaactg gcagaatgtc cgggccttat atatcaagag caccatgggc      660
aagccccagc gcctatatta aggcacattt gaataaatte tattaccagt tcaaaaaaaa      720
aaaaaaaaaa atttcntgng gcccttttnn                                     750

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```

<210> 1837
<211> 749
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(749)
<223> n = A,T,C or G

```

```

<400> 1837
nnnnnncttt gaaccctttc gaattccggt gctgtcgtgc ctccaagatg gtgagtcttc      60
ttgcgtggtg aggggtggggg ttcgggtgca gactctggga ttgtggggaa gtgagagcct      120
ggagcacggc tgagggtgag accgagtgtc catttcattt gctctggggg tcggcgggat      180
ttgcggagaa acaggagatc cgagcggcgc cttcctggag gctgccgggt cggtctgtgg      240
ccggaaaggg actgaggctg ggtgagttgc gccgttttcc taacagtttt cccatcctgt      300

```

```

cgagacaaa gaaaagaagg aacaatggtc gtgccaaaaa gggccgcggc cacgtgcagc 360
ctattcgctg cactaactgt gcccgatgcg tgcccaagga caaggccatt aagaaattcg 420
tcattcgaaa catagtggag gccgcagcag tcagggacat ttctgaagcg agcgtcttcg 480
atggtaagtg ggtcaccggc gcgaactgtg tgaggatccc agtatcttaa agccttcgcc 540
caacttcgcc cttttggagg ctctgttcgt tggagcctct caggcaattt ccacgtattt 600
aangttgtta ctggtagaag agaattctct tgtttgccgt ttngattctt ttctggncag 660
aaggtagactt ttgtgataga gtgcacaagc ctttactctg aggtaaangg ttgctgtttc 720
ggttattaag attgcnaaaa ctanaaac 749

```

```

<210> 1838
<211> 770
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(770)
<223> n = A,T,C or G

```

```

<400> 1838
tttaaatcaat aantgctact tgttcttttt gcaggatccc atcgattcga attccgttgc 60
tgtcgccgga ggcgacccgg ccggaagccg ctgtcgggga gccggcggtg gggctggacg 120
caggtgcaac tgacatgggt gaaccccagg gatccatgcg gattctagtg acagggggct 180
ctgggctggg aggcaaaagg atccagaagg tggtagcaga tggagctgga cttcctggag 240
aggactgggt gtttgtctcc tctaaagacg ccgatctcac ggatacagca canaccggcg 300
ccctgtttga gaaggtccaa cccacacacg tcatccatct tgetgcaatg gtggggggcc 360
tgttccggaa tatcaaatac aatttggact tctggaggaa aaacgtgcac atgaacgaca 420
acgtcctgca ctccggccttc gaggtgggcg cccgcaaggt ggtgtcctgc ctgtccacct 480
gtatcttccc tgacaagacg acctacccga tagatgagac catgatccac aatgggcctt 540
cccacaacag caattttggg tactcgtatg ccaagaggat gatcgacgtg cagaacaggg 600
cctacttcca gcagtacngc tgcaccttac cgggtgtcatt cccaccaacg tctttgggcc 660
ccacgaacaa ctttaacatc gaaggatnng ccacntgctt gcctgggctt cntccacaag 720
gtgcaccttg ggcaanaanc aacggnntcg gnccttgacg gtgttggggg 770

```

```

<210> 1839
<211> 753
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(753)
<223> n = A,T,C or G

```

```

<400> 1839
tttgaaancc ctttgctact tgtctttttt gcaggatccc atcgattcga attccgttgc 60
tgtcgctttg aaatgtaaca aatgggtacta cnaccaattc caagttttaa tttttaacac 120
catggcacct tttgcacata acatgcttta gattatatat tccgcactca aggagtaacc 180
aggtcgtcca agcaaaaaca aatgggaaaa tgtcttaaaa aatcctgggt ggacttttga 240
aaagcttttt tttttttgag acggagtctt gctctgttgc ccaggctgga gtgcagtagc 300
acgatctcgg ctcaactgcac cctccgtctc tcgggttcaa gcaattgtct gcctcagcct 360
cccgagtagc tgggattaca ggtgcgcact accacaccaa gctaattttt gtatttttta 420
gtagagatgg ggtttcacca tcttggccag gctggctctg aattcctgac ctcagttgat 480
ccaccacact tggcctccca aagtgtctag attatgggcy tgaaccacca tgcccagccc 540
gaaaagcttt tgaggggctg acttcaatcc atgtaggaaa gtaaaatgga aggaaattgg 600
gtgcatttct aggacttttc taacatatgt ctataatata gtgttaaggc cttttttttt 660

```

tcaggaatca tttggaaaat caaaacaatt ggcaaaacttt ggattaatgn ggtaaagtg 720
cagganacat tggattcttg ggcaccttcc taa 753

<210> 1840
<211> 755
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(755)
<223> n = A,T,C or G

<400> 1840
aacntcggnt caaccntgc tgggtgtttan atgtaacntn ngntnctnca cccaatncca 60
gtcttctntt ttnnacaaca tggcccaaaa aagcaaccag ggctatttgt acagttgaag 120
gggtgaacag aatgggcggc tgtgctggga gttggaagac ngggcagnac cgctattnag 180
agccatccct nactcagctg gcagggacaa gccaacgcca ggtagcatgt ggcacccctt 240
gcccantgtc tgtggcctgg caagtggcca cgccctgtgt canaccatct gggaattaag 300
ctccagacag acttacagat gccttcctta ggagtctctg cttcttgcgt tgatactttg 360
ccccanaaag gcctgggatt cattctggnn cttatcaggg tgtgtccacn ctctgctnac 420
aggnggatcc nccggctttc agtgcngaca gnccagatgc ttctgcagc ccangcccg 480
ggcaccttct gnaaccatnt tgggctnaag acctgaagcc ggtttcctng gtccccnttt 540
ccaacaagcc ttcaccaaca aagcttnggc caaannnttn cnttctnggt tgnntttnac 600
ccngcttngg gcctncnagc nttgaanctt ggaaaannaa ntttttcccg aaanttgttt 660
ntgggaaacc cnagggcnaa nggtttttaa gggaagggtc naaaagggnn ttccggggcn 720
ggnaaaccaa gncccaagg nttntaaaca aggcc 755

<210> 1841
<211> 838
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(838)
<223> n = A,T,C or G

<400> 1841
tactcgatcg antcgtgctg tcgtcacggt actttgcccc agtcaccccg angtcangcg 60
ttanancagg aattngancc ccaaagctta nctnttancc ntttngntaa cnggntgtnt 120
ttccaggccc cntnaccnt ttcnntnacc ntccentgcc ccaggggcnt cntntcaaan 180
ggcngttccc cntcgnntg cntcagcntn tccantttaa agcttctntg ntctcctcnt 240
gttgaagtcn tgggatggnt ttcccntntc anaaactgcn caanaaaca ccttggagtt 300
ttgaacaaa gntattcaag gagtnttcaa gaatgaatct tentaatcgt ggtcatgaga 360
catgagaaaa aagggtgtcta ccacgtcttg tctctactca taaagacatt ggcaggtgc 420
ggnggctcac gcctgtaatc ccagcacttt gagagggcaa ggtgggcgga tcacctgagg 480
tcagaagttc aagaaccagc ctggccaatg tgacaaaacc ccatctnta tnaaaataca 540
aaagttaact ggggtgtggtg gcangtgcct gtaatnccaa cttcnttggg angcgaaggc 600
aggaagaatt gctttgaacc ccgggaggcg gagccttgca ntgagctgaa aatcacactt 660
actggacttt caacctgggg gtacaaaaan ggganggctt ttgctttaan naaaaaaaan 720
nnnnnnnnna aaaatttctt tggggggcgg gntttttttt cggnnnaatn cccanccttt 780
gtaaaaaaa ncctttgggn ggaggtttng gggaaaaaaa ccncncnnnn nntttttt 838

<210> 1842
<211> 753

<212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(753)
 <223> n = A,T,C or G

<400> 1842
 nnnntnttgt ttgaaccnt ttcnatnccg tgctgtcggc cacggctactt tgcccaaagt 60
 caccocgatg tcaagcgta gagcaagaat ttgaacccca gagcttaact cttaaccatt 120
 ttgctaactg gctgtctctc caggccccc taccctttc catcaccctc cctgccccca 180
 ggggcacccct atcaaatggc agttccccc tcgcttgccct cagcatctcc aatttagagc 240
 ttcatggatc tcctcctgtt gaagtcattg gatggatttc ccatctcana aactgcacaa 300
 gaaacaacct tggagttttg aacaaaggat attcaaggag tattcaagaa tgaatcttca 360
 taatcgtggc catgagacat gagaaaaaag gtgtctacca cgtcttgtct ctactcataa 420
 agaacattgg ccacgtgcgg tggctcacgc ctgtaatccc agcacttttg agagggcaag 480
 gtggggcgat cacctgangt cagaagttca agaccagcct ggccaatgtg acanaacccc 540
 atctctataa aaatacaaaa gttagcctgg gtntgggtggc aggtgcctgt aatcccagct 600
 tccttgggag gcgaangcng ganaattgct tgaaccccgg taggcgnngc tttgcattga 660
 gcttanaatc acactactgc actncaatcn tngggtncaa aagggaaggct ttgctanacn 720
 anaatcnnta anaaanttcc gggncnccnt ttn 753

<210> 1843
 <211> 748
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(748)
 <223> n = A,T,C or G

<400> 1843
 nnnnnnnnt tttnnacctt cgnttcgaat tccgttgctg tcggacatca cagcccctat 60
 gaagaaagta gccacaatct caaataacaa aagggaatgt tctaaaactt tttcttcctt 120
 aaaaatggag aaaattgcac ttgtgcttgc tgtgtggtat ataaaccagg attagtccca 180
 gggtcgtgag gtttctggtg aaaagggtta atcgtagaag ctagtatatt ttttatattt 240
 ttgtaacaat tgcttttttc atgggggagg cgggggttagt atttatagtc ctaacaagtc 300
 cagtaatttt ttataaatct tcagattata aacagcccct aaaaacttta caacgtttac 360
 acagtttttt aaaaagagac tgtatacact tgatttgctt tcaaaataaa taaggtcagc 420
 tagtctagga ggttaacgct gggtaggat gctgatcatg ataggtttg tttctacag 480
 attctgttcc ggtgcctttc ctatccaggc accacctgag aaagttgtca tttgaggtcg 540
 cacttggaag ttacatctgt gaagtttctg tcattcgtcc agatctgtgt gtgtagcatg 600
 tgctgaggaa gcacgtgctg ggctgtgcct cagacagtgc atcaccgggc acccagaggc 660
 ttgcttggtt attcctgttc tgggtgtgtg ggagtgttg ggaggaacag atgcagatca 720
 acctgtggct gtttcccgct taggttct 748

<210> 1844
 <211> 843
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(843)

<223> n = A,T,C or G

<400> 1844

```

nttcgattcc gtgctgtcgg gctgtacaaa aggtagacat aatagtgaga agccacctga      60
gccagtcaaa cctgaagtca agactactga gaagaaggag ctatgtgaat taaaacccaa      120
atttcaggaa cacatcattc aagcccctaa gccagtagaa gcaataaaaa gaccaagccc      180
agatgaacca atgacaaatt tggaattaaa aatatctgcc tccctaaaaa aagcacttga      240
taaacttaaa ctgtcatcag ggaatgaaga aaataagaaa gaagaagaca atgatgaaat      300
taagattggg acctcatgta agaatggagg gtgttcaaag acataccagg gtctagagag      360
tctagaagaa gtctgtgtat atcattctgg agtacctatt ttccatgagg ggatgaaata      420
ctggagctgt tgtagaagaa aaacttctga ttttaataca ttcttagccc caagagggct      480
gtncaaaaag gaaacacatg tggactaaaa aagatgctgg gaaaaaagtt gttccatgta      540
gacatgactg gcatcagact ggaggtgaag ttaccatttc agtatatgct aaaaactcac      600
tttcagaaac cttancccg a gttgaagcca aatttgccca tttggttaan tggngcatta      660
tttggaattt tngaaagggn cannaaaggg aatttttgga tccaaaaaat ngtggaaaat      720
ttntttgggg ggnttgtgga atntggaatg ntnaaaancc nnaanntttt tggttaancnt      780
atntgacctn ggcnnaccna angtatgttg gaanttcccc ttttttgtna ataaaaaaag      840
nct

```

<210> 1845

<211> 815

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (815)

<223> n = A,T,C or G

<400> 1845

```

ttactttnaa cccttgcnan tccgggctgt cgggctgtac aaaaggtaga cataatagtg      60
agaagccacc tgagccagtc aaacctgaag tcaagactac tgagaagaag gagctatgtg      120
aattaaaaacc caaatctcag gaacacatca ttcaagcccc taagccagta gaagcaataa      180
aaagaccaag ccagatgaa ccaatgacaa atttggaatt aaaaatatct gcctccctaa      240
aacaagcact tgataaactt aaactgtcat cagggaatga agaaaataag aaagaagaag      300
acaatgatga aattaagatt gggacctcat gtaagaatgg aggggtgttca aagacatacc      360
aggggtctaga gagtctagaa gaagtctgtg tatatcattc tggagtacct attttccatg      420
aggggatgaa atactggagc tgttgtagaa gaaaaacttc tgattttaat acattcttag      480
cccaagaggg ctgtacaaaa gggaacaca tgtggactaa aaaagatgct gggaaaaaag      540
ttgttccatg tagacatgac tggcatcaga ctggaggntg aagttccatt cagtatatgc      600
taaaaaactca ctttcagaa ttacccgagt agaacaata gcacattggg aaatgtgcat      660
attgttttgg aaggagagaa aggaatttna tcaaaatggt gaaaattatt tgggggtgtg      720
attggatgtt aaaagccgaa agttttgtta cctnttgact ggcaaccaa agaattgnaa      780
tcacttntga gnaaaagctt gaaccgatg ccagt

```

<210> 1846

<211> 801

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (801)

<223> n = A,T,C or G

<400> 1846

```

gnnttnnacc ncnatcgan ttccgttgct gtcgctgacg gcgcttttgt ctccgggtcc      60
agaggccttt cagaaggaga aggcagctct gtttctctgc agaggagtag ggtcctttca      120
gccatgaagc atgtgttgaa cctctacctg ttaggtgtgg tactgaccct actctccatc      180
ttcgtttagag tgatggagtc cctagagggc ttactagaga gcccacgcc tgggacctcc      240
tggaccacca gaagccaact agccaacaca gagcccacca agggccttcc agaccatcca      300
tccagaagca tgtgataaga cctccttcca tactggccat attttggaac actgacctag      360
acatgtccag atgggagtc cttccttagc agacaagctg agcaccgttg taaccagaga      420
actattacta ggccttgaag aacctgtcta actggatgct cattgcctgg gcaaggcctg      480
tttaggccgg ttgcggtggc tcatgcctgt aatcctagca ctttgggagg ctgagggtggg      540
tggatcacct gaggtcagga gttcgagacc agcctcgcca acatggcgaa accccatctc      600
tactaaaaat acaaaagtta aatacaaaag ttaacttggg tgtggtggca aaagcctgta      660
atccagcttc cttgggaagc tgaaggcngg aaaaaatgct tggaccccg ggaaggaggt      720
tacaagtga cganatcgc acttggtgta cccaagcctg ggncccagt caagaatcct      780
tttcaaaaaa aaaaaaaaaa a                                     801

```

```

<210> 1847
<211> 788
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(788)
<223> n = A,T,C or G

```

```

<400> 1847
gnnnnnnnnn nnnnttttn naactcgntc gaattccgtg cttgtcgtg nccggcgttt      60
tgtctccggg tccagaggcc tttcagaagg agaaggcagc tctgtttctc tgcagaggag      120
tagggtcctt tcagccatga agcatgtgtt gaacctctac ctgttaggtg tggtagtgac      180
cctactctcc atcttcgtta gagtgatgga gtccctagag ggcttactag agagcccatc      240
gcttgggacc tcctggacca ccagaagcca actagccaac acagagccca ccaaggcctc      300
tccagaccat ccatccagaa gcatgtgata agacctcctt ccatactggc catattttgg      360
aacactgacc tagacatgtc cagatgggag tcccattcct agcagacaag ctgagcacccg      420
ttgtaaccag agaactatta ctaggccttg aagaacctgt ctaactggat gctcattgcc      480
tgggcaaggc ctgttttaggc cggttgcggt ggctcatgcc tgtaatccta gcactttggg      540
aggctgaggt ggggtgatca cctgaggtca ggagttcgag accagcctcg ccaacatggc      600
gaaaccccat ctctactaaa aatcaaaagt taaatcaaaa gttagctggg tgtggtggca      660
aaaggcctgt aatcccagct tccttgggaa gctgangcgg gagaattgct tgaaccccg      720
ggacngaggt tacagtgagc ccagatcgca ctgttgatcc canctggggc cacagtgcac      780
gaattcat

```

```

<210> 1848
<211> 764
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(764)
<223> n = A,T,C or G

```

```

<400> 1848
actngntcnn atccngtgct gtcgngntt agagttaaaa gtcaataagc attacaaaaa      60
ttgccatttt gacatcagca aatcaaatct ctctatctaa ttaaaggaaa accctttctc      120
ttatttctct tctcttttcc tcttctcttc ctctctctct atttcccttc tccttatccc      180
cttgctctcc tcttctgctc tttctctact tctctntct ctttttctga tgtatgncta      240

```

tnntatattt	tcagaaataa	ttcagtggca	tctcatgtag	atgtaccact	ttcttattgc	300
aactcagagt	gcaattgtga	tgaaagtcan	tgggaaccag	tctgtgggaa	caatggaata	360
acttacctgt	caccttgtct	agcaggatgc	aaatcctcaa	gtggtattaa	aaagcataca	420
gngttngata	ctgtagtgtg	gtggaagtaa	ctggctccag	aacagaaata	ctcancncac	480
ttnggggtgaa	tgcccaagag	atantacttg	taccaaggaa	nttttcatct	atgttgcaat	540
tcaagtcata	aacctctttg	ttctctgcaa	caggaggtac	cacatttatc	ttgttgactg	600
tgaagattgt	tcaacctgaa	ttgaaagcac	ttgcaatggg	gttttccagt	caatggttat	660
aagaacacta	gggaggaatc	tagctccaat	atattttggg	ggctctgatt	gataaaacca	720
tgtatgaagt	ggnccaccaa	cagctgtgga	gccaaggag	cttt		764

<210> 1849

<211> 871

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(871)

<223> n = A,T,C or G

<400> 1849

ctcngtctgat	tccgtgctgt	cggagctaga	tggactagga	gagacttgat	tttggtgcta	60
aagttcccca	gttcatatgt	gacatctttt	taaaaaaaaat	aacaacaaaa	aaaaanngag	120
agaaangcta	aaaaaaaaang	taggggggtga	ccagttaagg	gtttnnattc	cncatncaat	180
atcngggtaa	aacgattncc	tgtaaaagta	gcttnaangg	tttngctct	aaaatnccgt	240
aggctctatcc	ttagagcact	cacgccatgc	tttcttccct	gggtttnaaa	cttcatataa	300
ctttcanaaaa	tnggagagca	aaaatttngc	tngtcaactgc	acatcaattt	aaaaaagctt	360
atttaactta	tcaaaaacgtn	tttattgcca	aactatgctt	tttttggtaa	atttgnccat	420
attaatcggg	atgacaaatc	catagaatnt	atcctttnat	gtnaaattat	ganctcatat	480
taatcttaaa	attttgngac	gngtcttttc	cctttttttc	cacagtttaa	atatataatt	540
cttaaccgac	atttttngga	acctttacac	tttttnggg	aatttaantt	ttaaaaaaaa	600
attgaaaaaa	nttaaatattt	aaaaaaaaaat	ggcnaaaaa	accctggtn	ggaattaatt	660
taaatttttn	aaaaaaaaattt	tcccccccn	tttgggggt	ttggggaacc	tggccaaaaa	720
ttgggaagnt	ttnncttttt	nccnnntttt	taaagggnc	cttttttnca	ccaaaccttt	780
gggggaccct	gggaaaaaan	tgggnnttn	ggtaaaaaaa	agnttnnct	ggggggaacc	840
cnggntnccc	ccnnnaaagg	gggnaaaann	c			871

<210> 1850

<211> 936

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(936)

<223> n = A,T,C or G

<400> 1850

ttgnanctct	ttcgaatccg	tgctgtcgcg	ggtgagttag	agagttgggt	ggtgttgggc	60
cggaggaaa	cggaagact	catcggagcg	tgtggnnttg	agccgccgca	ttttttaacc	120
ctagatctcg	aaatgcatcg	tgattcctgt	ccattggact	gtaaggttta	tgtaggcaat	180
cttggaaca	atggcaacaa	gacggaattg	gaacgggctt	ttggctacta	tggaccactc	240
cgaagtgtgt	gggttgctag	aaacccaccc	ggctttgctt	ttgntgaatt	tgaagatccc	300
cgagatgcag	ctgatgcagt	ccgagagcta	gatggaagaa	cactatgtgg	ctgccgtgta	360
agagtggnac	tgtcnaatgg	tnaaaaatnga	agtttgaaat	cgtggcccac	cttctctctg	420
ggggtcgctg	ccctngagat	gattatccgt	atgaggagtc	cntccacctn	gttnacanac	480


```

tccaanaang gagaaagctt tttnttcnca nccccgnagc caangtcccc ctttttctag      540
nagaattngg annaantaat tagtangant cctctttgtt ttcgggggnan nanaaaaaat      600
tcnnccaaag anccngttcc nccggantcc cttttcttcc taaggggtct ttcgggtaan      660
ttccgnantc cntatgggct ccaaaaanttg gaaatngggg taattttatg caactctacc      720
aagtttttgg tcaanctaaa aaaanttnng ntttgtcncc cnggggaaaa attttncttt      780
taattnttn anccccngaa ctttttgntt cccctgaaaa nttttccaaa gntttnggt      840
tttttnaaaa anttttantt aaaacntttg gncccccant ttttttaaaa nnatgttttt      900
aaaatcctgt gttctcnaaa antctngttt tngcct                                936

```

<210> 1851

<211> 756

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (756)

<223> n = A,T,C or G

<400> 1851

```

gtnannccn ngangcgga gnetgcttnt ngccaancag tcctattgng aggtctnggc      60
tatcaggcca gntgtanac cactccatgc actgggtgtg ctctgtnggn cagggnctgg      120
gagggaact ncctntcctt cccttaacca agcatgaatt atgtttgtta gcaaaccctct      180
ctgggaatat atgtcaagcc acattcctcc tggggcagct gcaacttcag ggcttcacaa      240
taaacagttc tgaaaaccag atattatctg caatttagca tacagcatgg aattatgata      300
cataattcac tatgcttcag agaatagggc tgcaagaaga taaaataagg gttttaattc      360
ccagctatct ctctcaaatt ttaagagaga tggtatggac tgtgctctcc ccacaaccg      420
gcccataagt cgcattgtga agttcttacc tctagtacct tggactgtga ctatatattg      480
aaacagggcc tttaaagaga cagttaagtg aaaaggaggc ctttagtatg ggcctagtgt      540
aatctgccag cccttatcag attaataaag ntaataacnc ngaaagatcc ngagatgcnt      600
tagcgcaang aaagacatgt gacncaccaa gagaagcagc catagcaacc aaaacagtgg      660
ccttagaana atcaaccctg cngtccttgt cttggacttt cacttccaaa tgtaagaaag      720
aactcngatg ttaagcatcc tctgngaatt tgttgg                                756

```

<210> 1852

<211> 762

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (762)

<223> n = A,T,C or G

<400> 1852

```

tcgtctgaan cgggcagcac tgtcattcat agccaaacag tcctattgag aggtcttgg      60
ctatcaggcc agctgtcaga ccactccatg cactgggtgt gctctgttgg tcagggactg      120
ggagggaaac tacctctcct tcccttaacc aagcatgaat tatgtttgtt agcaaaccctc      180
tctgggaata tatgtcaagc cacattcctc ctggggcagc tgcaacttca gggttcaca      240
ataaacagtt ctgaaaacca gatattatct gcaatttagc atacagcatg gaattatgat      300
acataattca ctatgcttca gagaataggc ctgcaagaag ataaaataag ggttttaatt      360
cccagctatc tctctcaaat ttaagagag atgttatgga ctgtgctctc ccacaaccg      420
ggcccataag tcgcatgttg aagttcttac ctctagtacc ttggactgtg actatatattg      480
gaaacagggc ctttaaagag acagttaagt gaaaaggagg ccttttagtat ggcctagtgt      540
taatctgacc agcccttatc agattaata agttaaatac acagaaagat accagagatg      600
cattagcgca aaggaaagac catgtgagcc ncacnaagag aaggcagcct nggcaagccc      660

```

aagaacagtg gccttagaag aaatcaaccc ctgccagtac ccttgatctt ggaccttcca 720
gctttccaaa attgtaggaa aaggaactcc tgaggttnaa nn 762

<210> 1853
<211> 788
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (788)
<223> n = A,T,C or G

<400> 1853
tactcgatcn nattcgnaac cgtgctgtcg catctaacttt cagtttcccc atgttacttt 60
tgtaacaggg atttgagacc ttaaactgtt catcaaagta agccctaata gaaaggcaga 120
gcaataagag cacatgtgtg tgtaattctc ctttgcaagg agaatttcat ttagttccat 180
tgtcatatag accagtgtca ccccttttcc ctgattccta ctgttaacaa ctatttttca 240
gtgcctttga agatactgac ccttctacct gccagctgt ttttaaacag ctggagcgtg 300
atgatgggtca taaaatatat aagtgtttta gcatgtacag taaaactagg ttgtttagtt 360
aaacatagag ttttgctac tttttcaatt cgtttgactg cagggtgtgg catttagttg 420
caaaccattt ccatagtctg ctccactgt ccagttaatc tgtttttttc cccttctatc 480
atctgagcat tcatctgtca tttccttctt ttttatttat ttatttatat atttatttat 540
ttatttttga gatggagtct cactctgtcg ttcaggctgg agtgcagtgg tgcagtctca 600
gtcactgca atctctgcct tccaagttga agcaattctn ctccctcagc ccttcctagt 660
agctggggat tacaggtgtg gtatcaccat ccttggctaa tattgtnttt taanaagaga 720
tgggngnca ctatgttggg cangctggcc ttgaactcct gacctcaggg gaatcttctc 780
ccttggcc 788

<210> 1854
<211> 994
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (994)
<223> n = A,T,C or G

<400> 1854
tngntngacg ntgagagacn gtgtaaggcg tgntanagcg agnctatttc attacgtgnc 60
anccctntta tcagtaatac cnaacgactt gccatggagt cacagcgtg tgctacganc 120
cagggnatca gccctaggag ggcncctnag gggagaacta ggtgtncaga aancngtatg 180
tggtgaaant ctngngngan ggtgtgggnt nngantacnt agngnntatc ctnnnancac 240
ttannnnnnn cntttnnccn ngggnttgaa atnnncanang ccttngacaa atnngagngc 300
caaagtntng gnnnnanctg nnccttnnna anannnnnct tggtnctta ccaaacgnna 360
tttnattgcc cnaactnactn nttnnancnnt gttanntttc ngacnanttt cntgnnntc 420
nncaacaccc ntcttaaata ttacctncct tntnatgntg aantttanng anancecccn 480
tntcattana ccccnataca anaattntnt nncnctnca tegntnnntt atatccccc 540
tnatttcttt negnccctc ctntatngct tgacaanaca ttgtgnntcn nnannntntt 600
ttaaancggn ccttctctnt ctntactcgg gaaaanactc tttntcacac antctntttt 660
acttntttgg gggggcataa atctcctaaa atctntctcc ncaanacgaa caacanagcg 720
ttctcaaant nggcantnta anactcttct cttacaaaaa ntnttcgngc nccnnnanat 780
caatctcent gcncncnggg anttttctct tcatctantt tcttngggga tnaaaaattt 840
caccctctct tntcttngc gtcttngctn nntannctca natnngngg nttgnntnt 900
ctctctctct ttacgggctc nntcccaan nttnngnnnc nttnnaannt ttntcttaa 960

anctncttnn gccnnctcc caaacagnaa aann

994

<210> 1855
 <211> 914
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(914)
 <223> n = A,T,C or G

<400> 1855
 ttctgcggac gctcccgcgg agcggaaacc tcattgtggt ggagagcgtg ctcatggcng 60
 tggccttcct gggccatgct gatggtgctg ggtttgngcg gagccgctta ccggcccacg 120
 gaggagatcg atctgcgcag cgtgggctgg ggcaacatct tccagctgcc cttcaagcac 180
 gtgcgtgact accgtctgcg ccacctcgtg ccttncttta tctacagcgg cttcgagggtg 240
 ctctttgcct gcactgggat ngcctttggg ctatggcgtg tgctcgggtg ggctggagcc 300
 ngctgcctta cctcctcgtg tgcttacagc ctgggcccgc tcatccnct cactcntggg 360
 cctgnntgng cctgtggctg ccacgcccgg tgcccnggtg gctgnagcaa gggnttgac 420
 ctgctagctc acccttcant cctctttttt nctggggccc ccctgcgccc tntngngtcc 480
 ctgcaacaca ancntggaat ccttcatatg ttngnantca tggncctnt tccgaggcnn 540
 ngggncnagt cgtccctgna acaaagaact ttgggncttc natcancaat cttcnatggg 600
 ggaaaaatct ttggnatctc aaanancnt tcggnaacan nanctnnggc aanctntcac 660
 anncttcttn anccantctc tntaacncan acnttggttt ngnaaaaagg tatcttagtn 720
 tgggcncaaa ntatttcnna cccgngncgt tcancacctn ggggnncntt tctctnaatn 780
 ccttggtctc tanntcttna ataaaggngc cctctaaaac acncntgnnc ntcacatctc 840
 tcacatctag tttctacnna tgnanactgc actctctgtt ctngggactn gcgtccnttc 900
 acttctttnt tcct 914

<210> 1856
 <211> 804
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(804)
 <223> n = A,T,C or G

<400> 1856
 nattenaccn cgntcggccc gggacctcag cggcttcaac aagacggttc tgccggacgct 60
 cccgcccagc ggaaacctca ttgtggtgga gacggtgctc atggcagtggt ccttcctggc 120
 catgctgctg gtgctgggtt tgtgcggagc cgtttaccgg cccacggagg agatcgatct 180
 gcgcagcgtg ggctggggca acatcttcca gctgcccttc aagcacgtgc gtgactaccg 240
 cctgcgccac ctgctgcctt tctttatcta cagcggcttc gaggtgctct ttgcctgcac 300
 tggatcggc ttgggctatg gcgtgtgctc ggtggggctg gagcggctgg cttacctcct 360
 cgtggcttac agcctgggag cctcagccgc ctcaactctg ggcctgctgg gcctgtggct 420
 gccacgccgg gtgcccctgg tggctggagc aggggtgcac ctgctgctca ccttcactct 480
 ctttttctgg gccctgtgct ctcgggtcct gcaacacagc tggatcctct atgtggcagc 540
 tgcccttttg ggggtgtggg cagtgccttg aacaaagact ggactcagca caactcctgg 600
 gaatcttgta cgaaaaccaa ggaagaaaca nggacttcat cttcaccatc taccacttgg 660
 tggcanctg ngggcatctt taaccngta cctgggcttc gaaccttgca catgaaggct 720
 aaacttgagg gtgcttgctg gtgaacctgg tggcgggccc ctatctacgt aaaatcccaa 780
 acttgataag aaacctttga tgan 804

<210> 1857
 <211> 803
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(803)
 <223> n = A,T,C or G

<400> 1857
 tnattcnacc ncnctcgant ccntgctgtc gaataaaaagc aaacagaaca ctccaactta 60
 gaagcaataa cggctgccgc agcagccagg gaaagacctt ggtttggttt atgtgtcagt 120
 ttcaacttttc cgatagaaat ttcttacctc atttttttaa gcagtaaggc ttgaagtgat 180
 gaaacccaca gatcctagca aatgtgccca accagcttta cttaaagggg aggaagggag 240
 ggcaaaggga tgagaagaca agtttcccag aagtgcctgg ttctgtgtac ttgtcccttt 300
 gttgtcggtt ttgtagttaa aggaatttca ttttttaaaa gaaatcttcg aagggtgtgt 360
 tttcatttct cagtcaccaa cagatgaata attatgctta ataataaagt attattaag 420
 actttcttcc gagtatgaaa gtacaaaaag tctagttaga gtggatttag aatataattta 480
 tgttgatgtc aaacagctga gcaccgtagc atgcagatgt caaggcagtt aggaagtaaa 540
 tgggtgtctt tagatatgtg caaggtagca ttagtagcaa cttgagtttg ttgccctgag 600
 aancangcgg gttgggtggg angaggaaga aagggaagaa ttaggtttga attgcttttt 660
 taaaaaaaaa gaaaagaaaa aagaccgcct ctctnttgt tgccaagct catctttgan 720
 aaaccangcn gtttgggtgg ggaggaggga aaaaaanggg aanaattang gtttggaatt 780
 gnntttttta aaaaaaaaaa aat 803

<210> 1858
 <211> 739
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(739)
 <223> n = A,T,C or G

<400> 1858
 tcgntcagnn ccgtgctgtc gaataaaanca aacagacact ccaacttaga gcaataacgg 60
 ctgccgcagc agccaggga gaccttggtt tggtttatgt gtcagtttca cttttccgat 120
 agaaatttct tacctcattt ttttaagcag taaggcttga agtgatgaaa cccacagatc 180
 ctagcaaatg tgcccaacca gctttactaa agggggagga agggagggca aagggatgag 240
 aagacaagtt tcccagaagt gcctggttct gtgtacttgt ccctttgttg tcgttgttgt 300
 agttaagga atttcatttt ttaaaagaaa tcttcgaagg tgtgggtttc atttctcagt 360
 caccaacaga tgaataatta tgcttaataa taaagtattt attaagactt tcttcagagt 420
 atgaaagtac aaaaagtcta gttacagtgg atttagaata tatttatgtt gatgtcaaac 480
 agctgagcac cgtagcatgc agatgtcaag gcagttanga agtaaatggg gtctttaga 540
 tatgtgcaag gtagcatgat gagcaacttg agtttggtgc cactgagaag cagccggttg 600
 ggtgggaaga ggaagaaagg gaagaattag gttgaatgct ttttaaaaaa aaaggaaagg 660
 aaaaagacgc atnttactnt gttgcccaagg ctcatcttga gaaacagccn gttgggttgg 720
 gaggagggaan aaagggaat 739

<210> 1859
 <211> 786
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (786)
 <223> n = A,T,C or G

<400> 1859
 tactcgtacn nnnnccgatt ccgngctgtc ggaagaacat aaacaggatg ctgagagatt 60
 gggctctctcc acattgcccc ggctgctctc cacccttgag ttcaagtgat tcacctccct 120
 tggcctccca aagtactggg attacaggcg tgagccaccg tgctggctg agaagatgga 180
 tttaagacat attttgagg taacattgtc aggacttcct gaaggattag atgtggaagg 240
 gaaggataag aaacagacca aggataactt tcaaattgtat gcttaagcaa ctggatggat 300
 aatgatgccca ttgagttagt gaaaaacttg atggaagtgg aagattcaga gttcatttct 360
 atctaggtta atttgagaca taccagagca taagttaagt aagtaattga atattggagt 420
 ggagacttat ttgtctaccg aattattgtt ttctttgtcg gacatacacc tacactgcat 480
 tcctcaaagt aaaatttaag tgtggctctg tgcctatgct ctccccagcg gaaagtgacc 540
 agaagagggtg tgcagtttcc aggcctggcc catacagacc tccaacangt gctccctgt 600
 gctgttactc cttctgccac tggaagcaga tggtgaccag ctctggaana angcaaggcc 660
 tgaagatggg agattcctaa gtggaggaga actgngccct tctgacctaa atatncactc 720
 atattggtat gtgaagaata aataaacctt gtgttgaccc nttaaaaaaa aaaaaaaaaa 780
 aaaaat 786

<210> 1860
 <211> 1431
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (1431)
 <223> n = A,T,C or G

<400> 1860
 cgngggccnn ngngnnnnna nngaaaagnn annnnnnnnn nnnnnnnnnn nnnnngnana 60
 gaanangnnn nncnnnnnnn nnnnnnnnaag nagannnnngn anncaanngn nnnnagagaa 120
 ngnggcacga gannnnnaccn ggcgagaana nnnccgngag agnaanngtc naggnnnann 180
 nnnnannnnn ngngnngnta tgacgttnaa acccttcggg nnagacangn ccgccagtat 240
 ggccaggctg ggggacnnaa ctnggcggac tacgggnaga ccnggncgnt tttggcctct 300
 tttttntgcy cggaannag aggcggagga nccacgnnna cngggccgaa ancangggcc 360
 nngtcnataa ngncgcnnan nancgcgcng gangggcggn cnggnaagat gancggnan 420
 gcgcnnagan angaggcnan nnnngcnggg caagcnnnna nnggnagcag ngtgngnaga 480
 naangnccga ggcngnngnn cganannngg gantcgggag ncannngnna ngagngagan 540
 acaaaanggn aatgggcgna nnnncgnggn gnnccgnnag cnanggangc cngagnncgg 600
 gngacannca gcaagagnca cnnccgangg nagacntccn gcncgnaggg aaagccnana 660
 anangcgcn ctggcnnang cggnggngnn aagagngnag nncgnnngnn nnnnggnggg 720
 tgcgacgacg aggnccnggc agnaggcaag gcanggcgcg ggnnnnagag gnaaagcgcg 780
 naancacgnn gnggagngnn ggnanggata gcgnggaaan acgacggnan ggggacagna 840
 gnnagagnag cgnagcggn anacgcgnnn gcggacnang cggnaangann gnanggcacg 900
 ngggaangng gnggnagaga gngggaangn ggngnangnn gcngcnnaga ggggacacgn 960
 gggngggggg agnaaagnng nnggagganc gnggnnatng naatnannng gnannaacgg 1020
 gnanangggg gcgancnna nnncaaggga ngngcgancg ganggggnan acgctaaaag 1080
 cgnaaagtgg anngagggga anngcggata nnnngnantn ntangagaag anaagcganc 1140
 gagggntggc gngcgaaana nanacgggag gannacaaag cgnncanggg ggggcncgag 1200
 ngggngggga cngggnnnng aaggggggga cggncnnna ggggcgcncg angnggcana 1260
 aaatgaagag gngggggagg gnggacntgg tctgnggcga agaaaagng cnggcacgna 1320
 ggacaagaaa nngggggggg nggganaana ngacagggng ggggggaagg tngaaaangg 1380
 nggaanaagg ggaganannn ncccnggggn ncgtaannag nannannng c 1431

<210> 1861
 <211> 756
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(756)
 <223> n = A,T,C or G

<400> 1861
 ngtcnnnanc ccttccgcag cgcagacgga accgcgatgg tggcaccttt attagtgatg 60
 cagacgcagct cgtgagtgcc atgacgtca ngatgaatga agctgctgag gaagacagac 120
 agttgaacaa tcaaaaaaag ccagcactga aaaaattaac ttactgcct gctgtagtta 180
 tgcaccttaa gaagcaggac cttaaagaaa cattcattga cagtgggtg atgtctgcc 240
 tcaaagaatg gctctcacct ctaccagata ggagtttgcc tgcactcaag atccgggagg 300
 agctgctgaa gatcctgcaa gagctgccta gtgtgagcca ggagaccctg aagcatagtg 360
 ggattggacg agcagtgatg tatctctata aacaccccaa ggagtcaagg tctaacaagg 420
 acatggcagg gaaattaatc aatgagtggg ctaggcctat atttggtctt acctcaaact 480
 acaaaggaat gacaagagaa gaaagggagc agagagatct agaacagatg cctcaacgac 540
 gaagaatgaa cagcactggg ggtcagacac ccagaagaag acctggaaaa ggtgctgaca 600
 gggagaagag aaggctctta gacctgggag atnctggatt tgtgccccgt gccaaagggtc 660
 ccaatgcctt caaacaagga ctatgtntc aggcccaatg gaatgtggaa atggagtcac 720
 ccagggtttca gcgacctcca aaaaggtatc aatccn 756

<210> 1862
 <211> 778
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(778)
 <223> n = A,T,C or G

<400> 1862
 tnacantgaa ctcttttgaa anccccngct gncgggaagc tcgatgtccc aatattggag 60
 agtggtgggg aggtggagaa tatgccaccg ttttnccacg atcatgttga tgggtgacac 120
 atgtacaana ggttgagatg ttgttctgt tnatactgca agaatcctc ctccactgga 180
 tgccagttag cctacaata ctgcaaaggc aattgcagag tgggggtctg attatgttgt 240
 cctgacatct gtggatcgag atgatatgcc tgatggggga gctgaacaca ttgcaaagac 300
 cgtatcatat ttaaaggaaa ggaatccaaa aatccttgtg gagtgtctt actcctgatt 360
 ttogaggtga tctcaaagca atagaaaaag ttgctctgtc agggattaga tgtgtatgca 420
 cataatgtag aaacaagtcc cggaattaca gagtaagggt cgtgatcctc nggccaattt 480
 tgatcagtc ctacgtgtac tgaaacatgc caagaaggtc agcctgatgt tatttctnaa 540
 acatctataa tgggtgggtt aagcgaagaa tgatgaagca agtatatgca acaatgaaaa 600
 gccccctcgt gaggcagatg tagactgctt tgacttttag gacaatatat tgagccccc 660
 aaggcgtcac ctttaangnt ggaagnaata ttattacctc cctgaaaaan tncaataact 720
 ggggaaaaaa gtagggaaat ggaccttgga attcaattat aactgcaaag tggncctt 778

<210> 1863
 <211> 1574
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(1574)
 <223> n = A,T,C or G

<400> 1863

cngaacnacg	gngnacann	gggnnnngcc	nnnaaggggn	agaagggng	aaannnnan	60
nggggnnnnn	gggnnnnaan	nggangnnng	ggaaanccga	nnanggcngn	nangncnaan	120
gnnagcggng	ncaagncngn	ancgggaccn	ggannngcnn	ggnggggnann	ncaangcgga	180
acggnnnangc	gannnggngn	ngcnaanggg	ananggnng	cagcacgaca	cagaagnnan	240
ngcaaggann	nnnnnncnnn	nngnnntcgg	gaatnccgga	aancccttt	tggnggaann	300
gnaccgcacg	caaganacgc	agggacggg	acncccnac	ngactngng	acgccgngcn	360
gctccnacgn	gcacngcang	ncggnacnga	ngnagacacc	anngcacgaa	ngaangcggc	420
cgggcaggng	agngngctgg	cgggggcngc	gaagacnggn	ggncccacan	ngaagcagg	480
ngcnatgacc	gancctnang	caggcgcneg	aangggaccn	tcgacncgca	tgnnggagna	540
aggagggng	acgagaancg	taccncgcag	gnaagantgc	agggngggng	ncgcngcagg	600
cgncntgggg	cgncnggcnc	angngcganc	annngnctcg	ncagaaggag	nagcccgnac	660
cnanatngng	agacgccnan	gccacgnagg	cncnncngn	angaggnang	cnncanccna	720
ggcncaaagg	ggacncgggc	gcagagncgg	acaccacgag	gangggcnag	anggnngggg	780
ngcanggaag	nccgnggatg	cgncgagngg	gaangagnng	nccagggagg	ncgacnangg	840
ccnccnnng	cgngggcnca	gaacanncta	cgangaancg	gngnncgagg	ggcnacagn	900
ngtgcgccnc	atgnggggca	gnaaaggccg	agcgnccgna	ggcancgcgg	ngcnanant	960
agganagggg	cngcatctaa	ggggcncaca	anaaagggnn	gngaagcgnc	aggnacnaan	1020
ggngngncag	ggnacngggg	cccccgncgg	aaaccanacg	nnagcnaacn	nggggycgan	1080
acgccgaggn	gggcanaanac	ggcgccccna	ncgaggagg	tcnccacnn	gnggggnaac	1140
gncagangn	gagcangnta	aacacngcgg	gagcgaanng	ggggnnncac	agcgaacgnc	1200
gtcgntntan	gcgggagggg	ggaagggng	gaaaannca	annccncga	gngngaaanc	1260
nacggggang	gcaancntan	gcgncnngna	cnccctcg	gnggtcgggg	ggagccncac	1320
gggggngcag	caacngana	aaantantaa	cgtaennang	gaaaggggn	ggcngcngcc	1380
gnancgaatn	gacangggnc	anacnggaag	gngacngaag	ggggggngn	ggcgacanna	1440
aagggngcan	gacgggacng	nngggngggg	gggacggagc	ncacngngcg	cnnntgcngg	1500
ggggncggan	ngcgnggaag	ggangcgnnn	cnggacgna	aacnaacgcn	ngngagcgca	1560
cgcgggngag	agcg					1574

<210> 1864
 <211> 747
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(747)
 <223> n = A,T,C or G

<400> 1864

tntgttacc	cctntcgant	tccgttgctg	tcggcctcgg	ccccagcagc	cacagcagga	60
ggaggtgaca	tcacctgtcg	tgccccctc	tgtaagact	ccgacacctg	aaccagctga	120
ggtggagact	cgcaaggtgg	tgctgatgca	gtgcaacatt	gagtcggtgg	aggagggagt	180
caaacaccac	ctgacacttc	tgctgaagtt	ggaggacaaa	ctgaaccggc	acctgagctg	240
tgacctgatg	ccaaatgaga	atatccccga	gttggcggt	gagctggtgc	agctgggctt	300
cattagttag	gctgaccaga	gccgggtgac	ttctctgcta	gaagagacct	tgaacaagtt	360
caattttgcc	aggaacagta	ccctcaactc	agccgctgtc	accgtctcct	cttagagctc	420
actcgggcca	ggccctgatc	tcgctgtgg	ctgtccctgg	acgtgctgca	gccctcctgt	480
cccttcccc	cagtcagtat	taccctgtga	agcccccttc	ctcctttatt	attcaggagg	540
gctggggggg	ctccctgggt	ctgagcatca	tcctttcccc	tcctctntt	cttccctctg	600
cactttgttt	acttgttttg	cacagacgtg	ggcctggggc	ttctaacagc	cgntcttan	660
ttnggggcta	gtcgctgatc	tgccggttcc	gccacctgtg	tngnaangag	gccacnggca	720

ctanggggaac cgaattctac aatccccg

747

<210> 1865
 <211> 858
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(858)
 <223> n = A,T,C or G

<400> 1865
 atttctnaaa ccccttttcg antccgttgc tgcggatat ggcaatgcnc ctgccccggc 60
 tnaaccaccg gcggtgcncg ccagctgtan ggttttcnc tcccagtngc ctgcaggatgn 120
 cnacaagaaa gaaggcncag gncgctcaaa acagntaacc agccttcact tgaggactgg 180
 tgtgaagggtg cttgntactg ggggaagtga ntctgaggga ggggccttac cacaagttac 240
 cttggaattt gggaatgatc ccaaantncc aaagacgtan aactnggatt gctcggnttc 300
 caaaactccg ctgcaggaat gcttgcctcg gtgctgccc tctngccttc tgggctgcgt 360
 ctttctgcct actacatctg tgttgcatg gatgatgaat acanggantt tttcnacctn 420
 gatcatgccc acacccttct tgangggact atcaaccaga aangaaaggc attggccatg 480
 ggatcaattt gcttttncca aaagcctttc cttaatggat gggntgaatg naaaaaatat 540
 tgaagaaaga accatttatt taaaaaagtg ggaagaatca aaaaccnttt ttacaaaatt 600
 tcattggaaa nccgnaaatt tgcttggtt tggtnccang aancccanan tttttggang 660
 gttatttccc tnggagtnng ganaagnccc cctcttttt tgaaccttgn cctttacaat 720
 ttnaaaaaag tcaaccggag ccttcccaa cctngcaac ccaagtgtgn ggggaaggcc 780
 caaaaggatt ttttggangt ttcaancnt ntgccaccc cctgggtcaa cattggttca 840
 aanaaatggc ttaatttt 858

<210> 1866
 <211> 1298
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(1298)
 <223> n = A,T,C or G

<400> 1866
 cncncnacc nnnnnnnngn nnnnnnnnnn nnngannaaa nnnnnnnnnn gnaanngcnn 60
 nnngnnnaan nnnnanngca annnnnnann ngnnnnnncn nnnnnnaann nangangcga 120
 nnngcnnann gannncggan gcgnnnacnn ccnanannnn annngnacnn nannnnagnn 180
 gannnacnng nnannnanga agngangnaa cnnnnnnnnn nnnnnnntag aaacggaaac 240
 cccnttggcg aaagnccngn gganggncca gncgcncnn gcggggnnng ccngaggaaac 300
 cnggnngncc ggcnggaaag cggggggcgg gggggcatng gcaaancgaa aaggcgggac 360
 cggggccggg ggggggccag gncctagacg gccaaagccc ggggaggggg gccccaanga 420
 aangcgnacc ccggggccnc anccganccc aaaaaaaggg annnnggggg cgnaggaccc 480
 cagganaaaa aaaaaagggn gtnaagaanc cggnaaantt nnggaaaaan aaaaagccng 540
 gnccangggg naaannntc cttntccang gggcaagccn gggagaanga ancagnnagg 600
 cccnggggga acaaggancc cccgacctgg nncgaaaaan tnttncggcc tnaccanggg 660
 gcgaacnaaa aanaaagggg ccggggngc canccccnaa gcccnaaaag gaggaagnng 720
 ggggganacc cgggaaccng gnacccnccc ccagggaagg ggcccaagng nnagggccga 780
 ngaannaagt naanccagna aggnnnnaaa aaaggaaaaa atnncccacc anaaaaggga 840
 ntananggga nanggccacg ccccaaaaag gggggcatgg gggnncccn 900
 nggganngac ccaaaaacnn ncnnaagan aaaggggggg gaaannaccg nggacnccaa 960


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angggnnacc ccccaaaac ccaaaggnt cttccnccc caaggaacc agggcccaa 1020
aaaangggg gtnggggga aaaaantngg ggaaaaaccg gnaaagaaac canatcnagg 1080
gcgcanaaaa gggaaaagga aangaaaagc ccnntatncc aaccctntgg gggacnagng 1140
gataaagggn acccccggga naaanagggg ggaanaactn gganggaaat naanaagggg 1200
aacaaagaag naaaggggccc ngnacgggaa ttaanggggc ccgccaacaa naannaangg 1260
ganccanagc cagnaaaggc cngncanaaa aaaaaang 1298

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<210> 1867
<211> 755
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(755)
<223> n = A,T,C or G

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<400> 1867
tactgacccc ttgcgantcc gtgctgtcgc caaacaaca ttgcagggtt gatcctagtc 60
ttgaaagtcc gggcctttcc tcttgccctg tttctggagg aaatgctcat gaggtgggtg 120
agaggcggat gacatcctgt cgctctggcc tcaccctggg gatgccacat gacagcaccg 180
cagcattttc aataggtgac ccacctgcga ggaggaagga aaaatgtgcc caaggccatt 240
atggagaaca aacacctatg cagttggaga atgctgaaga caccgaaggg tgttgccttc 300
tccctcctga gagaagctaa gaagatccag gcttagagtg ctacagaaat agagatttag 360
gatagaaaaa aaggaaggat ttcctaacta ccaccagggc tatgaggcac tgatatgact 420
tactttgtga cacagtgtga tagaattgtt atgtggcaa gacgaaagat cagctggaa 480
tgtcttttca cgtatccctt ggtggcagca gtgggcagca taaaagtaca agatggcagg 540
tggaatcttt aaccttgttg tctggangcc gcatgatagg gttgcagtgt atttctcttc 600
tctacangct tgggccctca ttctgttttc tcacattcct ccacccctant attctttgaa 660
tctgtctncc ctncccttga gatctggctc taacttaagc ccaatattca gaccaacttt 720
accttgtctt ttnaccaat cacaggccga ntttt 755

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<210> 1868
<211> 758
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(758)
<223> n = A,T,C or G

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<400> 1868
tnttngaanc ccttttcgaa ttccgttget gtccgggttc tcttgaatta ttttgaaca 60
atgccaggat ccaaactgat taagttacag ttttaagcacc cttcagtatt aatatatacg 120
gtattatata acaggtcaac aagtgtctct tgatgataaa acttgtaata gagcaataat 180
tgtaaatggg taccatactg taagatattt tgataaaaa taactagtaa tacttgatt 240
tatttgaaac actgggctgt ttgcacagct ccaactgtgc atgctcaaaa tgtgcacttt 300
ttaaaattgt tacttttaat gcgtatcttt atatgggac tgttatagta tactagggca 360
tgatatggta tccttttgag tgaggatat actcatctca caagtgaagt gcctactgat 420
attactaaag tacattatgt ttactcaagt aaataatttt ctccccatgg tacactctag 480
tgtaggctat tcataccaca ctgaaatgaa caactgaaga ataaggctaa gaaccaataa 540
aatatttctc taattgctag tgtaaaactg tatccaaatt tcagaaaaa cagcttcagc 600
ttgcaaatc tatcctctaa acttatctgg gcaattcttc cccccacccc cattatataa 660
gggctatttt agatgcttta accctcccca caaataattt ggccagggtg tccaatgaga 720
acttatcatg ttnggtgggt ttaaggnaaa tcgggcnt 758

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<210> 1869
 <211> 764
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(764)
 <223> n = A,T,C or G

<400> 1869
 ntatctttag accttngtgc tgtcgcttaa actcggagca gtgggaccct gaagatgtgg 60
 aacctcgaag gcagcaaaga aaatntngga ncctnttggg atcccggtg nccccaggnt 120
 ttggggggggc cagnccnct ggntggngan gantaanacc ttctggancc cagntcanca 180
 ncttaaaacc canggtcagg gnttcgttca ataacgccag cgggaatcaa tctgcactgg 240
 caccgcggca ggaactgaaa ctgcctggca agtgagggaac caggagccgc actgagtgtg 300
 gctgggctac atcatagctc atcacggagc tacgactttg ggtactgcgg acagacctgg 360
 ataggcccag cattcgttct gaagatcaca gtccacagaa gtttttgctt cgtaaagata 420
 atccaaagga tctcagaccc cgctcttctt ttcccttca ttcccttgag agtcagccat 480
 gaacggaata cctgctaggt tccaggaatg agctcaccta acagatagca aatgtgtctg 540
 gttagatctc aacagagccc attctgcaag acctggctga ccagatgana ggggtgggccc 600
 tgtgctgggg ggccttgggt cacacacang aaccgagacc tggcttccac cccagtcac 660
 ccactttggg ntatcttgct gggaagtatt cgatanggac tgtgtnggcc aaccaagtgc 720
 tttgggaaga tcaactggcac ttgcaaaacn aaacaaaatt gctt 764

<210> 1870
 <211> 750
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(750)
 <223> n = A,T,C or G

<400> 1870
 ngnntgtaag ccttngggct gtcggtagga ttataaatgg gtttaaaata cgtattctca 60
 aacctcattt tcagcatata aatttttaag antnagtgtt ttaaaggtn cgtgaaaacc 120
 atttgctaga tttttgtcct agtttttttt ttttaattta aaaatcttaa gtttttttta 180
 gtaagcttaa ganccagta gtttatttgc cgaccgcatt tttaaaaagn gaatagatgt 240
 ttaactgaag ttaaatataa atttatgtct gggtaactct tggttaagata taacaaaacc 300
 tagacatcta aatttttttg aaatttttat tttaaaagt ggtngggagg taaaatnggg 360
 ngactttcct tctggttaat agttttatag ttaanaanaa agccagcgaa gtttacttga 420
 tctcagttgc actcaagaat aggggattta agttccactt tggttatttt cacttctacc 480
 ctaaaattcat aggcctgat acttaagctt acccttggct tccagttttc attgcagcga 540
 gnaaatgggg agtagcanag cctttgttaa tgtaaattga caaaaaggtn tgccttttn 600
 tacaggagca gataaactga taatggtntt aaaaaatgta naaatgatt tttgtanaca 660
 ggatgatctg tctanattgg agcaaatgan gggncatntt ccaacaaagg tgggccctt 720
 catttaataa acaccccca caacaaaang 750

<210> 1871
 <211> 750
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(750)
 <223> n = A,T,C or G

<400> 1871
 ctancntttc gancccggtgc tgcgctgga attttcttta ctctgtatc tgatgtctgg 60
 gctgcgatga ctcaaaggct gatttcagct ganactgtag accacgtgcc tacttgtggc 120
 ctccccctttt gccttgggtt tctcacagaa tgtggctggt tctggagaat gagacttcca 180
 atgaaatcag gtggaaatga catctcgccg ctttcagcat gctctattgg ttggaacagt 240
 tatggactta gctagattca aaggaaggga acaaagacc cctcctctca gagagtgggg 300
 cataatgaga gaatttaggg ccatgttata caaccaccac aaatgccttc tgaatttgag 360
 gttctgcttc aaaagtccat agttcctttg actgaaggac ttctatatat ccaagcatcg 420
 tcagccccag gtatatgtt ccatgtaagt gaccaggact accttagtat ttcgtatagg 480
 gaaagtgacc tgaataaatt tgagaaaaga atcttntctt tctccagtaa gcactgaggt 540
 aagcattgag ccatattata ngtttatgac tttagagctc agaaatttaa attcctggcc 600
 aggccaatgg ctccacctgt accccacact tttgggaggg cangcagcag atcactttga 660
 gncaggagtt tgaaaccacc tggnccaagt ggngaaactn cttctntacn aaaaaaaca 720
 aaattaccnn gngtgngnngn ggccccgtga 750

<210> 1872
 <211> 758
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(758)
 <223> n = A,T,C or G

<400> 1872
 tattntaccc cnttcganc cttgctgtcg attcattttg tataatcatg tatcctcttg 60
 tgtgctggta gagattttta tcttgatttt tccataaaac atgagtatta agaaataatt 120
 cctgggtttg gagaaactgg agaaaatcac ccttttaagg aagaaacact ggaaatttct 180
 gctaacacca agatatattaa gagtgctata gtagggtgctc aacaaattta ttgaatgaat 240
 gagtgaatgg aaaaactggg agagtcaaaa gtgagcagaa gctctccatt tctacttctg 300
 tcacaaacca cattaaattg taaataaggc ccttctccac ttgacttcag gcagcagatt 360
 gtctagaagc ctaaggacag caatttctct gacaagacaa agtagatatt ttataaccagg 420
 gggttgcaaa ctactgccca cgggccccgaa tttggccccg tctggttttg tatgggtgcaa 480
 actaaaaatg atttttacat ttttaaagag ttataaaaaga aaaaaatatg tggctctgta 540
 aatctaaaat atttactacc tggcctgttg gaggaangt ttgccaatct ctggtttata 600
 ccattaacta tgagattaac caaaaacttt tacctttgtg cagaaaggtn aaaaaaaaa 660
 catggttaag gnaaaggana catgttacct ttcatacact ccttttaact gngggatttg 720
 caaaaaaata aaatancccc ctttnaaaaa aaaaaaat 758

<210> 1873
 <211> 758
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(758)
 <223> n = A,T,C or G

<400> 1873
 ttntntanc ccttcganc cctgctnnc gcangaatgn ngttcctctt ggnancnccc 60

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gggtggncng tttnttnttn ngccnnggtt ccggcccggg gcccttnggg gngtttacnt 120
caattggggg nttnaaaang gcntnttgta angggaaacc tttnnntgaa atnntncagg 180
aaaggaaaccn atgggagggg accaggaggg gaannccggn ntaaacnct taaaaanttt 240
tggtgaccgg gtttccannc ggaattcctt tggggagggg gngctggnga aaatnctgct 300
tgggagatcn cattagggan ctccccgttt tgaagaagaa gactcantgg gaagacanan 360
gaagaagaag atgaattctt ttggccctca aaaccccccc accaaatggt ctttggnnaa 420
gaaaaanagtt tcntcncaca aaatatgaaa acnanggaaa ggaaaaaatg gatgcnttgc 480
ttagaggtga aaagaaagag agcncggaac cgttnggaac gacntttgng aanaacagga 540
tanaacctcc ccgggantgg gaaaagacag gaagaaangg gaaatggcaa gggagcattc 600
cangaaanaa anggaccctt ggacnattaa aaangaactg gagcgggacc cangatccc 660
gagcacacaa ggaccacggg acnaagacc ctaccgcccg ccgangaccg ccaggacgga 720
ggccccagga atgtttgcnt accnacgtga gagggctc 758

```

<210> 1874
 <211> 1001
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1001)
 <223> n = A,T,C or G

```

<400> 1874
cgccngacnn gnncgannan nnnncnnnnn nnnngngang annnccacgn ngnannnana 60
cnaggngncg ncggcgnaen ncnagnagac gacncannnn acnannnnnn nnnnnnggaa 120
nnaccgngnc natccngaen cgnngnngac gcanccgacc ccaccggccc ggnnccaang 180
ngagcgggna gcnggcngtt tnnnganngc gcaccccaag aaaacagggg cagnccgaca 240
gaccanagg gnnccacang agangggacn ngggggccaca gagccggaca agaccngnag 300
nacacagagg ggaggggagg aacgacgaca acaggccagg cggccaanga cnggggnccn 360
ggcnacacac cagngcacc ngacncnnga aaagcccnnng cngaaccccc ncgaaagngg 420
gggagacaca ncccgggna aaanggcnac agacncncn ggggacagaa gnagagagcg 480
gnaaacnggg agggagngng naggcannng acaggngaag gganagcccg aacgcccag 540
ggcggnnaca ggcgancaca gnaannangg nagcngggga gagcnggna cacacacana 600
cccnggaaac nggggcgnag agaccngcgg cagcacgcan gacccggcnn ggnaagaanc 660
cnggacagng gcngnngaac naagananna cnggggnna gncnaccccc nnancngacn 720
cgngggccag anaccncaa cccccggagg gncagnangg gncnaaccan gancgnaggg 780
gnggcgngcg caccaaagac anccccgggn cngngnggag nnacaggnga ccnggaganna 840
gccgcncgg ccnggggaga gaaacncaa gncggagnca nccgcnnacg cccgggnagnc 900
angacaacgg agagcggngn gaggggaggc aagcgaccgg acggcanccc ccngggagcn 960
gggannngnc acncgggggn nnnagcgaac cngcccaccc g 1001

```

<210> 1875
 <211> 1447
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1447)
 <223> n = A,T,C or G

```

<400> 1875
ccccccnnc nncgncac canccacgng aanannnnna nngccgngnn ncnncangn 60
ggncggccac gngcacnnga acgnacacnc nncncgnnnn nnncccngcg ttngaacnca 120
tcganccnnc ngggccccga gnccccacgg nccccatggg ccnggggggc agnggggggg 180

```

```

gggggggngt tttnnncnnt tccnnccnncn agcgacngng ggggannngg ggaangnctn      240
nggncncgct nntcnccccc acnnncnacca gagggagcgt nacnnccgnc gngaggggcg      300
ngnngcccnc ggcnccgnna gcnccctncn tcncnacccn ggcnegggcg agggncgngc      360
atcagatnnn ngannncnnc gngnngccnc cngcgcnncn gctgcntcgc cnagcancgg      420
cnagacggac ngagcgggnc ncagccancn acgncgggcc gnanccgcntn tnnngtncgt      480
cgncgtncgg ccgncgcaag agccgannct cgcgcactgn ccncgngcgn cgtnnccgnc      540
gntgtcnncn cgntcngntg gcangnncgg nacgcgnanc ggccgnacgc gatgaatgng      600
cgcgcngggc nntccggcn ncgcgcgcng caggngnggc ntnnnannng gnacnnannng      660
ncncngtgcg cgagnnncng accagactcn cgcccnacgn nacgcncgcn gngggngaca      720
cgtgctgcat gngnancggc gcggnangng gatgggcnng nncngganac gcatacgccn      780
cggtanngcg ntccgctnac ncgaccgnta gngtcgccnc tcgcggagng angccggcgc      840
nanggtacng aaaccgcacg canacnnncg ancnngtnc ncacgggcg cagncgacgc      900
acgncnccgc gagnnaacgn cggancggng ntcnngnng ctctcncgc acngacgcn      960
tncgngnana cggcgcggnn ntncncncng gaggcangnn gcccgacgga tctgnnccgn      1020
canacngcgc ggngncacgc ngncaccnc cccgcgcacn gncggcacgc gcgctcggnn      1080
gcgnnccgag tgaccacgat ncgacgcggn cggtcgcgna ctncgnaat gcagacgtgc      1140
ncgaacgcaa acngcgcgna cgnncnggca gaggcgncg taacggagac gngtngcgaa      1200
cgaccgcgca cgnngagnnc tncgcacggc tacgngctg cgnacgngna agngnnagcg      1260
ggnnngcnncn cgtgatccnn cncgggatcg cnannncaca cgtangcnag cgtggcgcc      1320
acgcgcncgc gatcacggnn nnnacgcgcg gggacngng gagcgngnc ataggaaacn      1380
cgcanccgac tagnaatng ctncncgcat ngntngccgc tagggcangc nannccanac      1440
gngtgcc

```

```

<210> 1876
<211> 735
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(735)
<223> n = A,T,C or G

```

```

<400> 1876
atnncgttca actacttggt ctttttgcag gatcccatcg attcnaattc cgttgctgtc      60
gcantgagcg ggtctgggcg gntgctggca gcgccatgga gacggtacag ctgaggaacc      120
cgccgcgccc gcagctgaaa aagttggatg aagatagttt aaccaaaca ccagaagaag      180
tatttgatgt cttagagaaa cttggagaag gattactgta gatgcagtat atggaatcag      240
gaatcttaac ttcatgtgag ctattggagt ttcccttgct atcaggatgc atagggaggt      300
cctatggcag cgtatacaaa gctattcata aagagaccgg ccagattggt gctattaagc      360
aagttcctgt ggaatcagac ctccaggaga taatcaaaga aatctctata atgcancaat      420
gtgacagccc tcatgtagtc aaatattatg gcagttattt taagaacaca gacttatgga      480
tcgttatgga gtactgtggg gctgggtctg tatctgatat cattcgatta ccaaataaaa      540
cgttaacaga agatgaaata gctacaatat tacaatcaac tcttaaggga cttgaatacc      600
ttcattttat gagaaaaatc accgagatat caaggcagga aatattttgc ttaatacaga      660
aggacatgcn aaacttgcan attttggggt agcangtcaa cttacagatc catggncagg      720
cgaatacat gatag

```

```

<210> 1877
<211> 735
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(735)

```

<223> n = A,T,C or G

<400> 1877

```

annccctatn cngatcagct cttgttcttt ttgcaggatc ccatcgattc gaattccggt      60
gctgtcggtg gaggggccgt tcnaagagtc gtgagggggt gacgggttaa gattccggaga      120
gagaggtgct agtggctgga cttgacctgg aaagaatctt ctgctgactc tcaacttttc      180
ctggaaaaaa tggatcattc ccaccatatg gggatgagct atatggactc caacagtacc      240
atgcaacctt ctcaccatca cccaaccact tcagcctcac actcccatgg tggaggagac      300
agcagcatga tgatgatgcc tatgaccttc tactttggct ttaagaatgt ggaactactg      360
ttttccggtt tggatgatcaa tacagctgga gaaatggctg gagcttttgt ggcagtgttt      420
ttactagcaa tgntctatga aggactcaag atagcccgag agagcctgct gcgtaagtca      480
caagtcagca ttcgctacaa ttccatgcct gtcccaggac caaatggaac cattcttatg      540
gagacacaca aaactgttgg gcaacagatg ctgagctttc ctcacctcct gcaaacagtg      600
ctgcacatna tccaggtggn cataagctac ttctcatgc tcattctcat gacctacaac      660
gggtacctct gcattgcagt agccacaagg ggcccggtac aggatacttt ctcttcactg      720
gaaagaaggc agtgg                                     735

```

<210> 1878

<211> 978

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(978)

<223> n = A,T,C or G

<400> 1878

```

ggacctntgc tcttgttctt tttgcaggat cccatcgatt cgaattccgt tgctgtcggt      60
nntgtnagat cactgggata ttttccacaa ctctctctnn tctagcacac acatntgttg      120
ntnggaaata tttgagggtt ttctcnctac caaatgggag cttcatggtc ctggtgtcaa      180
acactataac cttgaccact gactntgatg ntggcacata tctgagtcct gtgtgcacag      240
taatattctg ggtcaaggaa aatccangtc tttcaagttt taaanggatt tttgganaaa      300
ttcgggcctt ctttttaaga ccgaatncca ttggccccaa atttncacaa aggctttggg      360
tggaacaagt tgggaattaa ccaaantttt ggtggttggg gccaaaaaag tttncccaaa      420
gggtttgnt taaccaacct tggngggccc ntttttaaaa aaanccaaaa aaaanccttt      480
taaaanccct gggccatttg gggaaaattn gggtttttaa acccttttaa ggnaaggaa      540
ccccnttg gaaagaaatn ccttaaatTT ttnaattcca aaggggaaanc ccccggggga      600
aaaggnaant tcccacccaa cctttttcaa aggggtcccc cattttggcc anaccctggg      660
accttttttt tggtcctttt gggngngaatt cnttcaaaa accccttggg tttgggaagc      720
cccctggggg aaaagggggg gccctttcca accaantttc ttggtgggccc ttttgaata      780
nttaagcccc ccaantttct tnnaccaagc cncnttacc aaaggccccc cattnaattt      840
ggncncncan ggaaaaaccc ccnnggaatg gggaaaaaat tgcccagtta nccccatgc      900
cactggaana ccttaanaaa aatcgttctt tactnngngg aaaaangtat tatggatgcc      960
antaaagngc ccactggg                                     978

```

<210> 1879

<211> 694

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(694)

<223> n = A,T,C or G

<400> 1879

attcgntaca	agctcttggt	ctttttgcag	gatcccatcg	attcgaattc	cgttgctgtc	60
gatgtgtctc	tggtacagaa	tagttgatat	taacagaaaa	aaaaaatct	gtagcttcac	120
gaatatgcca	ctctgttaat	ttcttggtcc	agacatttta	atagagattg	cttgaccatg	180
ttgtttgaat	tgctgccaat	agcagaccat	atccctatca	tggtgttggt	tcaactgttt	240
ttttttttcc	ctaatanana	tgaggtatcg	ctgtgttggt	caagctgggt	tgaactcctg	300
ggctcaagct	atccttctgc	ctcggtctcc	aaagtactgg	gattataggt	gtgagctact	360
gtccacacct	aacctgtttc	acagtgaata	tacttcatgc	tggtttcaac	atgggattat	420
taaaggatta	aaagttnngg	tggtatgctg	taatccnaca	tttttggaag	cccagggggc	480
ggtcaccagg	cangaaatcn	aaacattgga	ctaccaangn	aaccncttt	ataaaatacc	540
naaaaaatac	ccgctggng	ggggcgccct	tattccctt	ctttggaact	taggcnggaa	600
angggtnan	ccctnagccc	aaaangnct	tgcttcanct	ngggaaaaaa	ggantttttn	660
taaaaaaaaa	aaaatnnggg	gaaaaaaatt	ngan			694

<210> 1880

<211> 711

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(711)

<223> n = A,T,C or G

<400> 1880

nnngntnnnn	nnnngnctnt	ttgatnccat	acnncgaatn	gatanacanc	tacttgttct	60
ttttgcagan	cccacgac	gaattccgtt	gctgtcgggg	gaaaggtaacn	tnaaacatn	120
ngctntatgt	tagngactag	gagngattga	nananccctg	gagattgntn	anatganctn	180
cagngccnac	ggcccattct	ttnatagttg	gtntctgtgn	ggagagggnnc	aggctgtgag	240
cctccaaaaca	nnatttnaga	ccnantggan	ngagnctntn	nactggacng	gtnnnatanc	300
cnngtgnag	ganngngcna	antcactngn	acggctanna	tggnagngn	acgacancag	360
ttccnnngnt	ngcgcantng	cntaccgggn	aatcctancg	ttttgncgac	ngaggcnaag	420
gangnttgcc	cnagngttna	accagcgctg	agaantacng	tgaaccctg	nntctgaaag	480
gcaganggtg	acnggggtgg	gngaccnccc	ctagacgntn	ntantctaag	gctgggagnn	540
aagattgttt	natcccgga	tggtgatgcn	nantgganca	nnaattnncc	cnatgggnnc	600
naatctnngc	gaanaaaaa	gggaanntg	gcngaaaaan	nnanctaag	ggtgnaaaaa	660
angnggntga	ntnaacaaaa	aaattnaacg	cgaaanttta	ncagnncgtt	t	711

<210> 1881

<211> 672

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(672)

<223> n = A,T,C or G

<400> 1881

ngnnnnnnnn	naatananat	anacaancta	cttgttcttt	ttgcaggatc	ccatcgattc	60
gaattccgtt	gctgtcggtg	gcaaattgtg	gaacagatgg	aaaagaacca	ggaggagcga	120
tcgctgcttg	ctgagcagcg	ggagcaggag	aaggagcaga	tgctggaata	tatggaacag	180
ctccaagagg	aagatctaaa	ggacatggaa	cgaaggcagc	aacaaaaact	gaagatgcaa	240
gctgagatta	agcgcatcaa	tgatgaaaac	cagaaacaga	aagcagaact	cctggctcag	300
gagaagctgg	cagaccagat	ggtgatggag	tttaccaga	agaagatggc	tcgagaagca	360
gagtttgagg	ctgagcagga	gagaatccgg	agggagaaa	agaaggagat	cgcacgcttg	420

```

agggccatgc aggagaaggc ccaggattac caggcagaac aggatgcctt gcggggccaag      480
cgcaaccagg aggttgacaga cagagagtgg cgcagaaagg aaaaggaaaa tgcgcggaag      540
aagatggaaa cagagctgag ctcgaaaaag tcgctcgaca gtggcttcaa ggacacgctc      600
tgctgtcagt gcacggccgg tgattcagag atcttcgctn naaacaatga aagcgggtgag      660
aggaaagcca gg                                           672

```

```

<210> 1882
<211> 718
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (718)
<223> n = A,T,C or G

```

```

<400> 1882
nnaccncgag cgaattccgt gctgtcgaga aatntgaaat gcttaattta taagcgggct      60
ggagattttt tccaatatgt ttttctttga aaatgaaagg ggatcatcta ttttagtttt      120
gggggtctggg aactttttga aaatttaatt tgtggaccaa tgttttgtga aagctaaaga      180
gggcagggggt taaaataggg cttgaatttc tcattctgta tagaccagca aacttccttg      240
tgcaaggcaa gtttacatca caaatccaag aatgtttgca tcctaaatgc tagtttgctt      300
cagcccctag ttaacctcag gacttggttt gcatataaaa ggtagacagc tgatatgttt      360
tcataaataa atattgtcag ccagaaaagg ttggtgtcag gtaatgcata tttttttaag      420
ctttgtttta tatttatatt tcatttagtt tttattggga atggttttca aagaactctc      480
agttctgcct aggtgttttt gggggagccc tgtttccat agtgtaattc catttaagag      540
gttggtctaaa agtcttttta attaatagaa agattttaat atccaagagt agtcaaatta      600
anggatataa actttccccc ctttctgtcc gtgacagata aaaagccaca gaaagggaca      660
accccttgaa aatcatgtaa ccgttggtcc atttcaataa tttggtacct tgttttaa      718

```

```

<210> 1883
<211> 712
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (712)
<223> n = A,T,C or G

```

```

<400> 1883
aattccgttg ctgtcganac caagtgtctt acanggcnac ctgtgagccc agactggatc      60
ctggaccaga aaaaggacac tagtgagaca actggcagaa tttgcataag aagcacggcc      120
tcggcctcgg gtggtggagt cactgctgag cccatgacgt tctgcttata ttccatccct      180
gcatttgga gtcgttcttt gccaggagga aagtgaggaa aaaccagcaa taacaaaaca      240
gcagctctac tgacggagga ggaggagccc aggaggcggc tggtcagggc ccagggtggt      300
agggaggcca ggcataggca ccccgacttc tctggaacta ctgacatttt ctgcgaagca      360
gagaggaaga tggaaaggtc agggaggaga atgagggagg ggtctgccc ggggagccac      420
aaactccgtg gggcacagaa agtgcaaccg tctccattg aggaaattct ccccaccggg      480
cggcttgctt ctaaacagga tattgcttgc atttctttga tttcccttct ctctctctct      540
ctctctctct cgcaaaaaaa gtcttgattc taataacngc ttagaatatt taaaataata      600
atggtttnaa tggatttggg ttctttgttt cccacccaaa gnttcttntt cttntttctt      660
tttgccaat aaaatttgn aaaaattgnng accttcaact tttgttcttg tc                                           712

```

```

<210> 1884
<211> 661

```


<212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(661)
 <223> n = A,T,C or G

<400> 1884
 nctcgntcgc ctaggccccn tggacctggt ctttcagaca catntagccg tgtttcccca 60
 tctgctgccc gtgatcccta tgatcagtct ccaatgactc caagatctca gtctgactct 120
 tttggaacaa gtnaaactgc ccatgatgtt gctgatcagc caaggcctgg atcagagggg 180
 agcttctgtg catcttcaaa ctctccaatg cactcccaag gccagcagtt ctctgggtgtc 240
 tcccaacttc ctggacctgt gccaaacttca ggagtaactg atacacagaa tactgtaaat 300
 atggcccaag cagatacaga gaaattgaga cagcggcaga agttacgtga aatcattctc 360
 cagcagcaac agcagaagaa gattgcaggt cgacaggaga aggggtcaca ggactcaccc 420
 gcagtgcctc atccagggcc tcttcaacac tggcaaccag agaattgtaa ccagccttctc 480
 accagacccc cacctcccta tcctgggaac attaggtctc ctgttgcccc tccttttagga 540
 cctagatatg ctgttttccc aaaagatcag cgtgggaccc tatcctcttg atgttgctag 600
 catggggatg agacctcatg gatttagatt ggatttccag ggaggtagtc atggtaccat 660
 g 661

<210> 1885
 <211> 661
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(661)
 <223> n = A,T,C or G

<400> 1885
 gggggnccgc tgagacacat aagtacagaa tcatgacctt aatggtttga cagtttggaa 60
 gcaccctggc aacaagccat ttcagtggaa tggtagaaat ggaaaccacg ctgggttgag 120
 aagtgagtgg atgtgaaaat atggggcctc tgaatggagg taacccttga aaaattccac 180
 tgtggagaag aaaggagaga gagagggtg gaatttggaa tgaaaggaga tatttgggat 240
 tatttttagta agaaaacaga ggtgtcatga cctcagtgtg accctattag ctgcaaaaaa 300
 ttcttcatgg gcttgagatg gagtttagcca tattcattat tgaaaactat gttctgcact 360
 tatacattgt tggttggagt gtaaattagt tcaaccgctg tggaagacag ggtgggtgtt 420
 tcctcaaaaa cctaaagaca gaaataccat ttgacccagc aatcccataa ctgggtatgt 480
 acccaaggga atataaattg ttctactata aaaacacatg cacacacatg ttcactgcaa 540
 cactattttac aatagcaaag aactggatc agtctaaatg cccatcattg atagaatgga 600
 taaagaaaat gtggtagagg tacaccatgg aatactatgc accataaaaa agaattgagan 660
 n 661

<210> 1886
 <211> 1009
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1009)
 <223> n = A,T,C or G

<400> 1886

```

anngnnagaa tttaaanntn aattggnata tnnagnngtg ggggggggat tntnntanac      60
tatnnntntt atttntnang aaatnnnnntt aggtanntan nantnantnt nnagtntngg      120
ggggnnnnntn annanatgnn natntttttg gnnnngantg gannccgaaa naatggatnc      180
aattnggggn gaaaatatat atatntattn gttagagagn attangcnnn tanttatnt      240
atnntaattn taaantaact agnntnttag ngtagacnat tntcntanng natnnagann      300
atcggtatta tacacaantn actaatatnn cgttntngtt ataantgntc atattagatt      360
aatncataca ttatnantnc actgtannnn tttattatag anagnntat ancnattnn      420
tnattnttga ttattttatan nntnatnata antcttaant nattttanna tatntattgn      480
aatnctgtta taaaacgnan atgnattgat agtnnncttt naatnaaaan aaantntctc      540
annntgttaa aaanatana nttnacnana ttttgattnt nnttancnag tttcaancnc      600
naagngnacn ttncnnntnn tntacnagnt gatngnataa tnagtgaan aancctaatn      660
gatntgntn annatcntna atataataan nattantnta taaaantnaa taanattttt      720
tmntaanatg actnannann aatnnannng anagcnnnna ntntataatn tatttttaat      780
antgatacat gntntnagan tanntnnctt tttantnctt ntaataactn tgaaananga      840
tctgaatacn acattagcan gacattgtan ntacntatac ttaaacnatt tatatcncgn      900
cngattatag nttatatnnn tnnatnataa tgtatantnn tttatatata tataanannn      960
tntcatatta ctgttgatat gtctatnatt tnttgagtat anttatagn      1009

```

<210> 1887

<211> 1035

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1035)

<223> n = A,T,C or G

<400> 1887

```

atgnccagta tntagnngg gnttnttcna nttttcnnaa ancnncntnn antagntatn      60
nggggctaen ngcnggttca nnacngnngc angntgnnnc ntccggggatc attaagnctn      120
tgcttacntc cacctataat cttacnntct cncnanannt agnnatatat tcactagnan      180
agntannnta ttantccgtg naaatntana ttctntctct nnnncnngng ancgtnnagg      240
ancgtttgga tntctttaca tntctctcgg ganatattca nnagnagtcn ctnaganntn      300
gnctaagtna ntnaacgaca tgacactntc attctcgtna atngatatgt cnnatgnana      360
anaacntttt tcncttcca tccgatntnc cttatntncn ncnatatgta gtctntntnc      420
ncgtntttac anananttnn ngaatanntt gggttctgta atctntnnca tctnnatgac      480
nattccenta nnctaacata tnttcgntnt angnngcana gtattatant tnttanangn      540
cnctctactt cactnattat nncgtgtntt antatannca tntncttta gtnattcacn      600
tngannntga ttctcatct attcatncnt actnngnntt ctntanactt attntgcntn      660
ttatnnngnn tacnnnnaat tccngnatc gntaatnatg gancctnntn atacnttcnn      720
tgnantntga ncaatgtnan natcnngann tntcctgcgn attntanntn nctnnttata      780
cnnngtcgat tattntagnt cntnnncnac ntactntntc attnatatct gtctncattg      840
antcannant nancnantna ttnaatttnn tnttatacta tntctnngtt ntnntaanntn      900
nnntnntnt cntcnntann tactnggnnt nangntatat aatatanatt ngcatnnatt      960
ncatgaatgn tntaangtn natcnacnan nanangatnc tnantctntg agatnntctn      1020
ctnantcgan cncn      1035

```

<210> 1888

<211> 867

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(867)

<223> n = A,T,C or G

<400> 1888

tgttntntnn	tntnntagc	ggggtntatn	ttntntntan	gnntttaanc	tnnattagnn	60
gggncntggt	gcatttnnan	ggggnganc	ttnactggnt	nagaannngt	gnngntata	120
ncctttatct	gtatnnnana	agaggggaa	aacttggagn	tctctccntg	gtaantnatg	180
cantaaggct	natggcttan	atatagctta	ccngttaent	nattnncgtn	tactnnatcn	240
ttnnntntgt	tctacctnan	ttggagcttn	ttgngaanng	gggcatgacn	ctnnacnagt	300
ggntgggann	ctgtncacgg	tngttggatg	canaacatat	actgnattgn	nnncctntnt	360
agcatacnct	ttaanttcna	taatcnagt	cnngancntn	aatnactccn	tgccctcaang	420
taatctntgt	tntatatgta	nnnagtntnt	tttacnntaa	acnttnantg	cnctttatag	480
agnagaaatc	ntttnanana	aaanntatgn	ncctcatnaa	nannagttca	ttttttttaa	540
ntccantnta	ttngtgggtg	ggannaanag	aagccnncan	ncnnncaaaa	atgncgntct	600
ntnatntatg	aagnnctatn	gcntncangt	aaanagcctt	attntacat	cttnnnctct	660
mntggctgaa	ccttgncann	nccttnatan	tcatnttang	gaactatgnt	ttatnggggg	720
ntcttattag	gtaacnntgt	ttatnatnac	cacatngntc	tntngtactc	ataatttnag	780
gttnagnntc	agatcacncc	ttanatttng	gggnnnnagg	nntaacngac	ggtcnttata	840
ntgngggagn	aagnncaaac	taaacnn				867

<210> 1889

<211> 617

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(617)

<223> n = A,T,C or G

<400> 1889

gttgactncc	ntactcagct	tgtgcctgc	aggtcgactc	tagaggatcc	ccgggtaccg	60
agctcgaatt	cgccctatag	tgagtcgtat	tacaattcac	tgcccgctcg	tttacaacgt	120
cgtgactggg	gaaaaccctg	gcgttaccca	acttaatcgc	cttgccgcac	atcccccttt	180
cgccagctgg	cgtaatagcg	aagaggcccg	caccgatcgc	ccttcccaac	agttgcgcag	240
cctgaatggc	gaatggacgc	gcctgtagcg	gcgcattaag	cgccggcggtg	tggtggtacc	300
ccagcgtgac	cgtacacttg	cagcgcctac	gcccgtcttc	gtttcttctc	tcttctcgca	360
cgtcgcgcgt	tcccgcgaagt	ctaactgggg	tccttaggtc	gattatgctt	acggactcga	420
cccaaaaact	gataggggtga	tggtcacgat	gggcatcgcc	tgnaacggtt	tcgccttgcg	480
tgagcacgtc	ttatagtgat	ttgtcaatga	cacataccta	ttcgncatct	tgattatagg	540
attgcnttcg	ctatgtaaaa	tactgttaca	aattaccgat	tacaatatac	ntacattctg	600
tcgattctct	acttgnn					617

<210> 1890

<211> 742

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(742)

<223> n = A,T,C or G

<400> 1890

ttnatctgnt	ctcacgcttg	ctgcctgngn	angatccntc	gnttcnaatt	cggcacgagg	60
tacattgtcc	tgacactgga	aaagacattt	ggaatttact	ttttgacctg	gctgacctga	120

```

attctgccag tctgatgatc caccatcat tcttcaagaa cagaaaacag tgctagcctc 180
tgttttttca gtgttggtctg ccatctatgc ctcacagact gagcaagagt atctaaagat 240
agaaaaagta gatcttcttc taattgacag cctcattcgg gtcttacaaa atatggaaca 300
gtgtcagaaa aaaccagaga actcggcaga gtctaacaca gaggaaacta aaaggactga 360
ttaaacccaa gatgatttcc acttgaatc cttaaaggat attttatgtg aatttctttc 420
taatattttt caggcattaa caaaggagac ggtggctcag ggagtaaagg aaggccagtt 480
tgagcaaaca gaagtgttcc tctgcatttc aaaaccttct tcctttctat agccctgtgg 540
tggaagattt attaaaatcc tacgtgaagt tgataaggcg cttgctgatg acttggaata 600
aaacttccca agtttgaagg tcagacttaa aacctgaatt ggaattactt ctgtacaaga 660
aataaacttt atttttctcc tgacnaaaaa aaaaaaaaaa aactcgagcc cttaaaacta 720
tagtgagtcg tattaccgta na 742

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<210> 1891
<211> 1005
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (1005)
<223> n = A,T,C or G

```

```

<400> 1891
tnntnannnn tnancntnnt anttnaaatg taatggtngg ggggncnctt tantcgtnnc 60
tncnntnnat nnaacccccc ngataatnctn ntnaaanctg cgttnggggg annntcatca 120
nnatantntg gnnannncn nannncnctt tntntgttac tcnnagtctn tnnatgana 180
ggttntcttc gagtntccn ggtntctact gtantatnnc gngannnctt cangtactnn 240
tnnataatnc nnnagaccat gtactcngan ntnnnantcc atcntggntc tntccctcgc 300
acgnagtgtg tngnatcaaa ncnantttg ctctgaccnn ngatngtact ggntnttatn 360
cacanaantn acatntntta ganncttnan tactnnannt tggtnnnngt natctgatnn 420
nnaganangg actnntngag gattctaagt gnaannaagn cngcgtntnn ntntgttgaa 480
nnntgatnat ncnctctanc ttnnnncant gncgaatcng catggatggc gnnttatnna 540
ataggctnna ttgttttngg annttgcnan ngttcaacna nttncancca canttaagca 600
tcnccctanna ttcngtttng ggnatnacat ncccatcgc nggttngna ccgngaaaaa 660
cngtnnttta atngttngaa cntggttagt tangttact tttcntcng nnaaaatcgn 720
cattctngcn ttctaccnaa tttgtanatn naatnatent atancatnnc gnctcntgtc 780
anacttaate ngtaacgtnt nanncganat ngatatnnt ganncgntnc tnnaaantnn 840
gctangantn gtentacccn ctgactata ttctctctan tcnntnttat ncgngttaat 900
cancgntgt gngantgtng agtagagnca tctatatent acctctntt gccacnattt 960
ntatcacaaa tccccttntn ctgcnnttg tatctacntg cncgn 1005

```

```

<210> 1892
<211> 1159
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (1159)
<223> n = A,T,C or G

```

```

<400> 1892
ntntnnntn gagaggnntn annntttntn cnnttntna gagnggggna nnaanggttg 60
ganannagcc ctntntctnn ncnngaantn naatntacta agngcccggg ggggggntn 120
gtggtntntt aatctttnaa natnattctt tntntntnn cggagntaa cactcangag 180
gagtgttnt ntatgtngna ntnttattt tttnatantg ncnngntnn nntaatant 240

```

annanatat	gtntaattct	aantagnntn	nattaatatt	atgcgntanc	catctnttgn	300
ctgnntatta	ncgtatatnt	tannttantn	tccttcnnt	ntatctntat	gnttatntna	360
ccatcanegn	atatncngaa	tgatagnatg	antntgttta	ttntctccat	acgaaatgag	420
tgntnatncn	cnncgatntt	gtatnnntta	naatatgact	gtntntnat	annactanat	480
ntatgtatgc	tnatgctaaa	ctatnaatac	atattgtnac	nntctnttac	atcgtnnaaa	540
ntgttnntca	cncntttgag	aaggaggnan	anagacgttt	gattntttng	tgaattatat	600
gtcgatttct	gtntgttgng	tgaaatnatn	cngttaattg	ananacattg	nnatatntnc	660
atacngnaga	ataaatacga	tngcgatnnt	nacnatan	nttatctatt	gtatatntnc	720
atatangntt	aanntantng	tntntanacc	tatacttntt	atgtntccgt	atctactnct	780
gnttcanttn	aatctagnct	attntantta	gtangttacg	anntnanntnc	ncgcttnatt	840
ngtgtgcggn	tncacttatt	ntacagtatg	ncncatntat	tntngtatnt	ntantgttna	900
tnattttacg	ntnngagtaa	tatgnatata	nataatgnac	ttncacncng	nanattatnn	960
attnttttnc	tgtnattata	ttntagttta	cgannntanta	antntntnc	tactttcntt	1020
cgtaatttna	ngtttatgnt	naganaantt	cnttaatgtn	ngnttttnaat	cncataaata	1080
gtatatgcac	agnntnnca	tnnnnatana	tgntnagntn	ngatttnaat	tnattatnan	1140
ngcctngnat	ntaannncn					1159

<210> 1893

<211> 662

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (662)

<223> n = A,T,C or G

<400> 1893

nttgttccctg	cctcacctcc	tgatagctgg	gattacaggc	gtgcaccacc	atgcctggct	60
aatttttgta	tttttagtag	agatgggggt	tcacaatgtt	gcccaggttg	gtctcgaacc	120
gctgacctta	agcgatccgc	ctgccttggc	ctccccaagg	tgctggaatt	acaggcatga	180
gccaccgcgc	ccggctgact	tttttttttc	tttctttctt	tttgagacag	agttttgctc	240
agtctcccag	gctggagtgc	aatggcaaca	acatggctcg	ctgcagcctc	aatctgctgt	300
gctcaggtat	tcctcctgcc	tcagcctcct	gagtagctgg	gactacaggc	gcatgccacc	360
acacctggct	attgtggatt	ttanaaaatt	ttttttgtag	agacagggtc	ttactatgtt	420
tgcccaggtt	gttcttgaa	tcttgggctc	cagagagcct	cccatctcag	cctcccaaag	480
tgctgagatt	atagggctga	gccaccacac	ttagcctatt	gngacttttt	agagtttcta	540
atactttctt	ttagggcact	aaaaacttaa	tcttanatcc	agttgggtat	tcatttggtg	600
gaatgaagtg	ntanggacct	accttaattt	tttccagggt	tttgtgattg	aataaatntc	660
nn						662

<210> 1894

<211> 723

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (723)

<223> n = A,T,C or G

<400> 1894

aggtgacctc	tgtgtttcta	taactatgtt	aatgtgacct	gtaaaacagt	tcactttcta	60
acaagtgcgc	ttcctcatat	ttaaaatgag	aagtgtgtct	gagttttcta	aagatgttta	120
ggctgcattg	tcttgggcct	gctcaggatt	ttgacctctg	agataaaagc	tggtatttaa	180
aagccaatcc	aagccaaaca	cctggcatta	ttagcattgt	tattccatca	gatctgtttg	240

```

tttgataaag aagctggggg tgggaattggt ggtgccttaa ataccctagc ttggtgcaga      300
ggtaagatac tctgtctggg cacggtggct natgcctgtg atcccagcac ttcgagaacc      360
aaggcaggca agtcgtgagt caagagatng agaccatcct ggccaacatg gtgaaacccc      420
gtctcttact aaaaattanc aaaaaattaa cctgngggcg tnggngggcca ccccgccctn      480
ttanttcccc cnatanctcc nanaaggctt naatgccann gaanaaatat nactttgnan      540
cccnngggacg ccnataaggn ttgcnantgg tnacncanaa naattcattt ctcaactggg      600
cctcccagcc cctngggggc cccaaagggn ggaggaantt ccnccctncc cnnnnatntt      660
cnggatnaa  naaaattctc cntaaaaaan ataaattgng cgcccaggaa nntnttaaaa      720
nnt

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```

<210> 1895
<211> 1007
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(1007)
<223> n = A,T,C or G

```

```

<400> 1895
tttctnanta anagcgggna catngtntct ttnaancntn actntatann gnggnatctt      60
ttttttccnn ccnacaccn ctnctctenn aantcnannn nnngantata tcccttcann      120
ggaaaaantn aananggatg nntttatctg nnnggatcna ttgnntcnn cgnaatncc      180
ncttggacaa tnatcaatcg gtcttntacc nntnatnttn nttnnnnnna ncctagnntc      240
gaatgtcnac ctggnantgg acntctanta natctctna nnaaccntna aactattatn      300
actnggttac atnttntaan atattctnac nanaancatt nncatttcn tctacntnat      360
tattcnaata anctccenta nnnngcnnta ttncnanann antcattcgt aataatanat      420
tcnattntca ntannntmnt ttcctgtnat ctnttnatta tntcgagtnc nntatggcta      480
gcanttnnan ctttnantac tnaactanta ncantagcaa aangagacgg taatttantt      540
ctngtnacaa tnaaaataaa ntencgtaat tnnagnacct atnnngacat ctntncattc      600
ttgcntanan tnnattgttn tttannntt ncnanaatcn naanattatg cctnngnact      660
natacnagat atantcagta tantatccgn atctnaattc tggangctnn ataagnatac      720
tacctnttna cgttnnatat ngtatanatc cettatttta nctattccat atnntcnaat      780
ccatactctn tantgtnaan ttaaancnta anttcantca ntnttcnnta nanntantcn      840
cntcngctnt nacttcgtna tcanattaat acntattgnc ttnnctcacc naactacgct      900
cgtatancat ctatnaatnt canactnnta ntntatctnn tatntaaann atcnnnataa      960
ntnatantna tattatcttt cctgtctaca aattttatca tnnntcn      1007

```

```

<210> 1896
<211> 674
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(674)
<223> n = A,T,C or G

```

```

<400> 1896
cctnncccca attcggcacg agaaacaact gaaggtaaaa aacttatatg cctttttatg      60
tgtacattta ataaaacaat tttattgatt tcttaccgta agttactgtg atgagtata      120
aatacttcac tattcagata ctttcgtaag agatacatct cagtggaaac ctttgcataa      180
atattttctc aaaaatgtgc aatttctggg aaaaaaggaa tgatggaaag aagggttattg      240
cagttttcct agaaattttg tcagattggc atgcattttt attgactaag aatcccaatt      300
ttagcatgaa gaccattaga tatgaatata taaggccata acatttcaaa ttaagcacat      360

```

```

ggagtgattt gtaattttgt gttaatttct ccctaagatg ttttggttaa atgattttgt 420
atataataaa tttctaagtt gaggaaggaa ggtaaaaaaa attcctgata accttttctt 480
tatgaagtct gctaataaca atacctagta tatacttaga agaaccagcc aagaaaaatt 540
acctttcagc aaccactctt tacttatttc tcttttgnaa taatacccaa ttttatgacc 600
caggattccc cagtttttaa cggaagtaag attaaagacc aaagcccaa aaccctctgt 660
tccttgcaat atan 674

```

```

<210> 1897
<211> 673
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(673)
<223> n = A,T,C or G

```

```

<400> 1897
cccctctcga attcggcacg agaagacttt ctccaatgc ttggaaaacc ataactgaca 60
tagttctaaa tggcacagcc ttcgtgacac tagaaattgg aaaacaacta attaaagcac 120
agaaaggagc agcattttct tctattacta ctatctatgc tgagactggg tcagggtttg 180
tagtaccagc tgcttctgcc aaagcagggtg tggaaagccat gagcaagtct cttgcagctg 240
aatggggtaa atatggaatg cgattcaatg tgattcaacc agggcctata aaaaccaaag 300
gtgcctttag ccgtctggac ccaactggaa catttgagaa agaaatgatt ggcagaattc 360
cctgtggtcg cctggggact gtagaagaac tcgcaaatct tgctgcttct ctttgtagtg 420
attatgcttc ttggattaat ggagcagtca ttaaatttga cgggtggagag gaagtactta 480
tttcagggga attcaacgac ctgagaaagg tcaccaagga gcagtgggac accatagaag 540
aactcatcag gaagacaaaa ggttcctaag accactttgg ccttcattct gggtacagaa 600
aagggaatag aaatgaaaca aattatctct catcttttgg actatttcaa gtctaataaa 660
ttcttaatta acn 673

```

```

<210> 1898
<211> 782
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(782)
<223> n = A,T,C or G

```

```

<400> 1898
gttttactac nnaaacaagc tacttgttct ttttgcagga tcccatcgat tcgccaaagc 60
acacaaatgg cctaccatct tttattcttc cttctagctt ctggagagag aaatgattgt 120
tccagtttag aatgccagga gtttactggg tgtttgattt tttatctgt gccttaaaaa 180
aattagatta taatgaacaa gacatcttta tgttttacag ggaaggaaaa agcagtgaaa 240
gtatgcattt tcgaaagaaa agtgtgttgg gaaaagagag agaggggtga aacccaaagg 300
agaaataaaa attttaagtc cttgttgagc tagctggagg aagtgaagctt ggaaatctct 360
ccagcgcaat ggttgctggc tgggaagaaa gatctgactt agacacagaa taagtgtctt 420
gtgctgggtg tgtttgtag ctgggtgagg tttctgtgt cgctgggcac gtgagggaag 480
ttacctggct ggggggtggg gtggggggca ttagaaggga gtatgggtgt ctgtggcgct 540
cgctgtgtcc tgtatgtgtg tgtgtgtgtg tgaaaaanaa nagagaangt aaaattaacc 600
tttgnccat atggttggtt tctctgcnta gaagtcttaa aggaaccttg ccagctgca 660
nttttttatt ggggttcaaa ttaccagcat ttctcttcta aggattgggt ggggtggtat 720
tttgggggtg atgaattgaa agccaaggga taaanaaacc anaacctggg accaantgna 780
at 782

```

<210> 1899
 <211> 825
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(825)
 <223> n = A,T,C or G

<400> 1899
 gtttgaatcc gtttcaacta cttgttcttt ttgcangatc ccatcgattc gaattcggca 60
 cgaggcttca tccagccaaa gaggtcmtta gtggttcttg aaactttggt ggtggtccgt 120
 ggangtggtt tccgtgggaa tgacacttcg gtggtggagg aaacttcagt ggtcgtgggtg 180
 gctttggttg cagccgtggt ggtggtggat atggtggcag tggggatggc tataatggat 240
 ttggtaatga tgggaagcaat tttggagggt gtggaagcta caatgatttt gggaattaca 300
 acaatcagtc ttcaaatttt ggacctatga agggaggaaa ttttggaggc agaagctctg 360
 gcccctatgg cgggtggaggc caatactttg caaaaccacg aaaccaaggt ggctatggcg 420
 gttccagcag cagcagtanc tattgcagtg gcagaagatt ttaattanga aacaaagctt 480
 atcagganag gagancnta aaaagtgaca ngggaagctc caggttacia ccagattttg 540
 tgaacctcaa cccaaccaca agtgggtggg ccagggcctt accttgcttn caaaaagaaan 600
 acattgtttt taanacnaaa tacctcatgt tgtattnggg ccaaaaaaaaa ctcctangga 660
 cctggttttt tgtggacctn aattggtatt aaccaaggtt tanttttaaa tttcctgtn 720
 cttgtnggna aaagtgggta aaagccnttt cccaaccaaa angggntttt taaatggtaa 780
 aaattttttt ttttttggca cccccattg ccttgttttg nantc 825

<210> 1900
 <211> 831
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(831)
 <223> n = A,T,C or G

<400> 1900
 tgnnnnnnnn nnnnnntat tgaaactnat ntgnaaaccg tggaatttcn caggatccca 60
 tcgattcgaa ttcggcacga ggctgcttcg gggactcagc cagtatttnt actgaggtgc 120
 tgagcgccgt cctcaaggat ctctaccacc tgctgaagca cgtagtgtgt ctggagccccg 180
 atgacgtggc caagctccat gccagttgg cctagaaga gctggatgac atcatgaaaa 240
 acttcctgtt ccctccacag aagctggaga agaagatcat ggtcctgccg tagacctggc 300
 tccaaggacg tggaggaggc aggcagggcc aggcacccag agccgtgccc aggtcttcca 360
 gcagggtggc ctgctgcctc ttgagtgtg gcagcatggc tgacctcgg ggtggtttta 420
 tgggtgcaggt cacttgggtc ttcagggtcc cttccgagg catgtgttca gcactccccg 480
 cgttcagcct gaggggtgta cagttaagag aagacagtta cagatctcat taatctacat 540
 ttttctactgt cctctaacta tgaaagaagg atgtctacct ggtgaaagta tattttaaca 600
 tgactgatgg aattcactaa ttgcccactc tcttggaaact tganganaaa ccgntggcc 660
 acccatatgt cacctaactc ctatatctt ttcaggctga agattcttct tcaaggaaaa 720
 atgaaggaag cagaaactgg gccacccctt gggctgggtc aaagaaggca tttttaaaaa 780
 ataagganaa agccaatttt ggaaggttgg gggaangggg naaaggaaan n 831

<210> 1901
 <211> 674
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(674)
 <223> n = A,T,C or G

<400> 1901
 ccncncnca attcggcacg agctccaagg ttgggtccac ggaaaacatc aagcatcagc 60
 ctggaggagg cggggccaaa gtagagaaaa aaacagaggc agctgctaca acccgaaagc 120
 ctgaatctaa tgcagtcact aaaacagccg gcccaattgc aagtgcacag aaacaacctg 180
 cggggaaaagt ccagatagtc tccaaaaaag tgagctacag ccatattcag tccaagtgtg 240
 gttccaagga caatattaag catgtccctg gaggtggtaa tgttcagatt cagaacaaga 300
 aagtggacat ctctaaggtc tcctccaagt gtgggtctaa ggctaacatc aagcacaagc 360
 ctgggtggagg agatgtcaag attgaaagtc agaagttgaa cttcaaggag aaggcccagg 420
 ccaaggtggg atccctcgat aatgtgggcc acctacctgc aggaggtgct gtgaagactg 480
 agggcggtgg cagcgaggct tcctctgtgt ccgggtcccc ctgctgggga ggagccggcc 540
 atctctgagg cagcgctga agctggcgcc ccacttcag ccagtggcct catggccacc 600
 ccaccctgtc aggggggtgt gaccaaangg agggccanac cttggacagc cagatccagg 660
 agacangcat ctan 674

<210> 1902
 <211> 930
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(930)
 <223> n = A,T,C or G

<400> 1902
 ttnaaatnna ntccannnat tnattnnnnn nnaatttnat tnttnnnngg gggnantann 60
 tantannntn anntnttnan cttttttata nnaaaaaacnn ccccttttnn ttnnttacnn 120
 tatcnnaann naaantcngn gngggaatat natnnnaaat taannantnc tnttttnnnn 180
 nnnnnagggg ggggtncacc cncccaacta tttatcattt taaatactng taaataaanc 240
 ttatatataa tnnnttancc cttntcttnt ccccccccn ccacancttn tttcnctaaa 300
 taattcanta tantatcata taatacancc atcttaactt ntatattata tatatnannc 360
 ttttnatnna tatatactat tcctncanta tnncnctaan aangcctctn atntncattt 420
 attttctccc ncatanaact ttctnaaatn anantattnt taataaatca ttntaaaatt 480
 attatacata ttttatcntt tatntcetta ttatatntnt ttcnnntaac tatatttatt 540
 attncatntn nnanatntat actnatnatg ntaattntnta ttaaatanac ntnaccttac 600
 acattcnntc attataaaat ttncattcnn nnatannnt tacaattttt tattattaaa 660
 tntncatttn ttacataat aanatacaat atntaatata cnttaaacan atcantaaaa 720
 ctattatntt atntntntnt tntanataca aaaattaata aaatntnttc aattntttna 780
 caaacnttan tntncatntt acaaaaaana ttatcttnt ttntattata ctcatnctnt 840
 nanntanttt canatncaa tcntntntnt nntnttattt aantatacac tnaattatac 900
 ntnataacnt nttattnta nccattacnn 930

<210> 1903
 <211> 1148
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1148)
 <223> n = A,T,C or G

<400> 1903

ttctnctn	tnagnagn	ggantnntn	cttattgaaa	tcctnccnnc	nntngnaggg	60
ggngnaant	tnnttggnac	cccncctttt	cactagggcc	tgntntgtg	naagtaccen	120
tgtatttttn	gcgantgntn	nntgaaactg	ggtaacttnn	ntgttnagcg	tnactngtcc	180
tgtggnnact	ttntntntcc	nnnatcttct	ntcnnanctt	ngtctnatgg	nangttaggn	240
ntngcnattg	nttcncacg	tctttctgct	tnantcacat	agncngatat	ttcnttggan	300
tnggcctgaa	ttgggtgaatn	nntnttggtc	gtatananaa	cncnanntcn	gatttggnc	360
ctcncnganc	ccntcngna	ttcccgggtt	tngaaantct	tnttctttac	tcnccccgta	420
tnggatatnc	aacnangtgg	taacnnatag	ncagctcgnt	nttnaaactc	taaatgncnn	480
cacgnannan	tnaggtntta	ttnttctcta	ctgggnaatn	nanntatttc	tanagcttaa	540
ttacctatan	gtcnccntat	ctctcttgag	ggtatannnn	cnantttata	acnnngntgt	600
attctccggg	taagnntat	aaaacctng	gtnnatcanc	cgcaactact	ttcaaagg	660
ggngngggng	ganngntct	ngtctntata	tacaattcct	tcggncggnc	tcactcaca	720
gtgcnnnnac	tnaatngcct	ntngngann	cttcaacccc	ctaagctntn	anattannng	780
ngnganatcc	gtatatgntc	gnggtgttcc	tcgacgcccc	tatgggnnan	tgggggnatt	840
gcaannagtn	taaatanaga	ctttggtctt	ctntggaanc	cccaagngga	cgggtnnct	900
ttcttgggtc	cctctccata	gngggannca	nanngccttg	ncttngntat	gnggtggaac	960
ccccctctgg	gggggaaaat	cggcccccca	nctgggctcn	ctncaaagt	antngccngn	1020
ttacgtnttt	nctcnnctng	gntaggancn	ccnntntacc	ntctctatct	tanttttnt	1080
tacngntggt	atnanggc	acngccgtng	agntntccct	ttgggagnan	ncacttcncc	1140
tctttngg						1148

<210> 1904

<211> 1194

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1194)

<223> n = A,T,C or G

<400> 1904

cancaaaaann	nannaaacnn	nnnnnnnnnn	naacnanaag	gngngggggg	ggggannnn	60
naaacgcaan	aanaacnnnn	tcgnagnnna	aaaacncccc	ccccnccnnn	naannccnan	120
caangcggnn	ngganggggg	ggggggannn	nannnnaaan	aaaannnncc	tannngnnnn	180
nnntnnnnntn	tnacgncccc	cnccganaac	accaacgnca	cggcggggng	gngggnnnnn	240
gaaaanacgn	agaggacgag	aggatggnaa	cncacacncc	ccacaantcc	ccggacagna	300
catcgccnnc	acnacacnan	gaagngggng	ngggngnnng	caagnanaaa	ctnacanaaa	360
ncantnccac	gcncnaacgg	ancnnncnaa	aaacancatc	angnggggaa	acgnanacng	420
cnntacanag	ggnacacacn	aagncaccan	aagacntana	nccnaangga	anganccgca	480
acngaaccag	aacantnagn	cctgnaacgc	angaanggan	agcctntnat	gcgnancca	540
cgnaaanacct	cnacnancgc	accnccnnaa	aggccagcan	gataannaca	gnatagtcnn	600
anntacacaa	ccacgagacn	catgngncac	annacnanca	nagnaaagan	cgcggnganc	660
nnaagcanan	acngagnacn	anaacgncnc	cccaagtnac	cacaancntn	anaaacnnng	720
aanacaaaag	gaccannaaa	gccacacggn	cgaaanaatn	acgacnaann	naaccancnc	780
naccacnnnn	gaagcgangc	antatggcac	nngacancgn	accncggang	aaaacngcgt	840
acaccngnag	acnacnatcg	tcngcngat	gggcnanta	ggcaccnggg	gaccttngan	900
ngnanananc	ataggnnnaa	aacacagnna	naaaaatgna	ctaatanccn	gngnnnnngt	960
caacgaaaann	ancaccacaa	ccantcacca	ganagnnnng	cgaacaaaat	cannggccac	1020
ccctnngtgc	ncgcccccca	nnaaggaana	cccannaata	cngcncngnt	tcccccnca	1080
gancaannga	aggaccnta	tacccccaaa	cggctnnnca	actaacggan	gaancaaan	1140
cccccnngac	atnagaanaa	ngantgccca	cagaaagnag	nanngcgcac	ccac	1194

<210> 1905

<211> 705

<212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(705)
 <223> n = A,T,C or G

<400> 1905

ccnccgnatcc	cctgagggga	ccatgacttn	nnnnntnnca	gtatgtgacc	gagaagggtgc	60
tggctgctgt	ctacaaggct	ctgagtgacc	accactgcac	tccagcctgg	gtgacagagc	120
gagactccat	ttcaaaaaaa	agactgaaac	aagcttgtgc	taagatggaa	agggctgctt	180
ctaacagatg	tggtttgttg	ctttagttgt	tgaagcaaaa	atactgagtt	gttatgttta	240
tgttatcacc	ccaccactac	ctccatgggt	gttcatttag	gatgcttcta	attcagccac	300
tgtgaaccat	tataaagggt	ttattgccat	gttgaaaatg	tttataatat	ggcaaaaagg	360
ggcatcaa	agaagattta	ctattattcc	agccatgtaa	aaatatgtgc	acatatggat	420
gtatgttgaa	agtggatgat	ggagaaataa	aatgtgggtt	tctttgggga	ctggaaaaaa	480
aaaaaaaa	aaanaanaa	annnnnnnnn	nnnnnnnnnn	nannnnnnna	nnnnnnnnnn	540
nnnannnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	ntcnnnnnnn	600
ntnnnnnnnn	nnnnnnnttn	nnnnnnnnnn	nnnnntnnnn	nnnnntnnnn	nnnnnnnnntn	660
nnnnnnnnnt	ntnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnccn		705

<210> 1906
 <211> 1379
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1379)
 <223> n = A,T,C or G

<400> 1906

ttnnnaatnn	ttntttnnan	nnantantta	nnntaagggg	ntgggggggg	gtnantnnnt	60
aaanaaanana	annnttttgg	ggaaaaagnn	ccccnnntn	tntantaang	nnntnaagat	120
aggggggggg	gggggtgagn	aantntaant	atngattttn	tnnnnagann	taggagnaac	180
ganataataa	taangaaatt	gnngggagan	tntagggagt	ataaaaaatc	atatgtggat	240
ctaantnatc	nnngctatg	tattacgaan	nattntnant	ncntntant	atgananata	300
tatttacatt	gatnatntna	nnatatntaa	tgnggtatac	gntataatng	tttcaatact	360
tanntaanat	anntaattnt	tntagatntt	atntataatt	ttacgtcnaa	caataatngt	420
tangatnttt	attattatca	tgntnttgna	nataattttt	annaataatt	tcntatnaat	480
cttancncaa	atatnttggt	tnntgttaan	nnataanaa	taattatnat	nnaatncaa	540
ancnattaat	aatttnagtt	tnngntaaan	naaatantgy	tatntntntg	tntnatnana	600
tnnnatnatt	antanttgng	tntganaaag	aaactnattg	catanttnga	ggntantntg	660
aaatnnaata	ttcacannnt	tgntntttnt	gtannacaca	tatangnnnn	tatgannnaa	720
tanaaataag	ttangtngat	atntantggn	ncnttatcaa	tnngtaagat	gttngagnnt	780
tgatacntna	ataagaaatt	nataatgtgt	ncnagtanta	nnntaaatat	aatnagagta	840
tgtagnctat	tnaancactn	tnataaatga	acgtcnatcg	ttattgcnn	attnannnaa	900
agacntatat	atanatntaa	atnaaatnac	ganatatagt	cnatntntat	tatanngnta	960
atacnataaa	tatatatnta	agcgaganga	tgaaaatacn	anacaaataa	ctatgcgtag	1020
tntntnaaga	taagaatnat	aanctnatat	nttctatntc	atnnatnaga	nataaanaga	1080
tgataaanca	natagaatna	ggtaggntaa	gttatnctnn	aataatnnaa	tatatnatag	1140
atanatagtc	gatnaancnt	aagnatangt	acgagtnnag	agtatgntan	tantnaatgc	1200
tatgtnttat	natcgataan	tantcgtaaa	tgtgatatnt	tanatatagt	gtanaaatgna	1260
cgnntnataa	ngngtggnan	tttgaantan	accganatag	gntacntnec	tganattana	1320
agtataatat	gctatatana	nnnnggngnn	agaaaganat	gatataatat	atttcgagn	1379

<210> 1907
 <211> 676
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(676)
 <223> n = A,T,C or G

<400> 1907
 ngagaaaaac ctgcnnnncg ctccccaggg ttgcttttcc caggaggtgt gagcctacct 60
 ggaggaggct taggcacagg gatacctgct ggaggtctga gcgttggttg agcacctcct 120
 gttttagtagga tcctgtgccg gacctgtggg gaggtggaga gaggctagga gacatagccc 180
 ccacccctga gggatgagac agctccctgc aggcaggctg tgcccagtca tctcaagcct 240
 acagctgggc tgctggctgc aggtctgga gggcgngggg gaggggtggca gacagagtag 300
 caagaccccc acttccctgg ccttcttcac agacctgcgt catgcgggccc tgggaccgca 360
 gcaagccctt gctcttctgc ccggccatga acaccgccat gtgggagcac ccgatcacag 420
 cgcagcaggt agaccagctc aaggcctttg gctatgtcga gatccctgt gtggccaaga 480
 agctggtgtg cggagatgaa ggtctcgggg ccatggcttg aagtggggac catcgtggac 540
 aaagtgaata gaagtctctt ccagcacaat ggcttncagc agagttgacc tgggaattct 600
 gtcattgggt gtcccttctg tactcanaaa atgggttcag gccaaagtcng tgaaagatng 660
 atgtttggca aaaann 676

<210> 1908
 <211> 785
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(785)
 <223> n = A,T,C or G

<400> 1908
 nnaancncat acangctact tggtcttttt gcaggatccc tcgattcgaa ttcggcacga 60
 ggggagaaga gccgccagcg gaaccctgt gtgcaccaac cttccccaga gctccggagc 120
 gccctctcct cacttccagg ttttggggcc agagnttgnc gggagaccgc cccagcttcc 180
 ttctgacctt cagttcactt tgctgacctt ggagaaagat gttttnttt tctnaaaata 240
 accccaatgc tccaaannnn nngnnannaa aaaaaaaaaa aaaaaaaaaa anaaaaaan 300
 ntaaaaaaaa aaaaaanaaa accncgaccc tttaaaantn tagggngtcg tttnnctan 360
 anccaaactt gataanatcc nttgntgngt tnggncaanc cananntaaa atgcngggaa 420
 aaaaangntt tnttngggaa attgggnang ctatggnttn nttngaaacc attntaagnt 480
 gcaataaaca ngttancacc accantngcn ttcnttttat gtttcagggt cagggggagg 540
 ngngggaggt tttttaantt cngngccggg gcncccaatg ctttgggccc ggancaccagn 600
 ttttgttctt ttaagggagg gttaattgcc cccttggtgt aatcatgggc ntagcttgtt 660
 tcctggggga aaatngtttt ccggttcnaa ntcccnaca aaaatacgag ccggnagcnn 720
 taaagngtaa agcnnggggg ggcctaattg agggaccnac tcnatttaat tggggtggcc 780
 ncncn 785

<210> 1909
 <211> 957
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(957)
 <223> n = A,T,C or G

<400> 1909
 nnangnngtc tananagngg ggtgnttng atttogaacn ncnncanttn aagaatgcng 60
 ggnnttnana ngttgtanna gnggngnggn aaantnntgg ttnatagant annnannnt 120
 aatcgacant cnnntgtncn ttttncnata aggnaataa tnttgngcga tgtctnntgn 180
 natgtatnnt actnnatctt cccatcatgan cntnnnataa cntnangaat nntagacttt 240
 caagacttnn tgntaatnt atnntaacng tggatttntt nnatagntnn atnannncta 300
 ncgtnttcnn cnaaannant ntantgntna tnataatann tagntcttan tnnngtttan 360
 aagatanntn attggnntga ngttntatan ncttgagtcn nngaccnca tantaanttg 420
 tttncnaata ttatttntaa ntanntantg ntntntncan acntttntgn anacntttaa 480
 annnnngccn naaantntct caantntcnt ctngtatctn gcntattntt cagaatncan 540
 cntccctttt nntaacatnc tgaatnnnnä taaaannana tnnntnnana tanntatnan 600
 nnttatnanc atctnntnat ganaactnta nacttttnan attcanannc atnncnagtn 660
 antaattaan nntntttnta ttgnatcang natttnnatn ntcanntcgn anantnngat 720
 gnataaannn agtcatanna aagattangt acgactgcgg tncaacnntn nnannnnntg 780
 aatnatgann ttngananaa ttttgtgnan gataatgctn attnaaanta tnncaactant 840
 ataacnanca tntntntnt gantaatnnn aatattntnn anatatagtt ngacntnacg 900
 tgnnnnctna ntgagcagna tangttatcn agatatntn tancctctcca tgaccac 957

<210> 1910
 <211> 682
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(682)
 <223> n = A,T,C or G

<400> 1910
 gcangaggcc tgcatanannn nncattactc aggagtggga agttcagatg gtaactcaga 60
 ggaaagcaca ctggggaaat ggagaaaaga tgttctttct ataattgatg acttagctga 120
 tggggcacag attcttgttg gatctagcct tggagggtgg cttatgcttc atgctgcaat 180
 tgcacgacca gagaaggctg tggctcttat tgggtgtagc acagctgcag ataccttagt 240
 gacaaagttt aatcagcttc ctggttgagct aaaaaaggaa gtagagatga aagggtgtgtg 300
 gagcatgcc acaaaatact ctgaagaagg agtttataac gttcagtaca gtttcattaa 360
 agaagctgaa catcactgct tgttacatag cccaattcct gtgaactgcc ccataagatt 420
 gctccatggc atgaaggatg acattgtacc ttggcataca tcaatgcagg ttgccgatcg 480
 agtactcagc acagatgtgg atgtcatect cccgaaaaca cagtgatcac cgaatgaggg 540
 aaaaagcaga cattcaactt cttgtttaca ctattgatga cttaattgat aagctctcaa 600
 ctattagtta actagtatca catgtttagt tgggtattgt aaacctatgt atcccagaag 660
 antgggaaga nggataagaa an 682

<210> 1911
 <211> 875
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(875)
 <223> n = A,T,C or G

<400> 1911

angnngaaan	aanagnggga	tnnaanattg	gaaaccnnnn	nnatgagagg	nggggtnaaa	60
tgatggnntn	tggnaaattt	ngaagaanaa	aaananaaag	tattaancgg	aggagggggg	120
aagtgnataa	ataattntnt	nannanagan	tnaanntaa	aaatanttna	tcaatttntg	180
antaaaantt	agattannaa	tctnatnttt	ggagataaat	attgntaaaa	tataaaaaga	240
aaagtaanaa	tannaagaat	tantatanta	ttantatana	naanaaaatn	gtatgaanta	300
tnatanttta	aaaannagta	ananaatann	nntatnaaaa	taanactagg	aatnnatnan	360
tanaanttta	aaaaaanaa	tanataatan	aaattaaaaa	atanttcnaa	aaaantaatg	420
tanantaaaa	aaaanataaa	ntaattaang	aaatannana	naaataaaat	ntataataan	480
nataaatata	taataataan	tantatnatn	nagtntnaaa	tnataatant	nataatataa	540
ntannaaaaa	atataaaaat	aagaagatat	gnnaaangaa	aaaaatatan	aggaaaagta	600
aattaatnga	tatttaaaga	anaaagaaaa	anaaaaatat	anannatnan	aatatantat	660
aantnaaant	ananaaaana	tncnaattnt	annagatnat	aaganaaant	atnaaatnaa	720
cntgaaatat	atntaannat	agnacttata	natntataa	agangnttta	agganaatan	780
atnaatagat	anntnaaata	aattataata	tataaaaaat	annaaataat	gagntganng	840
attatannaa	nntatanngt	atntaatata	ataan			875

<210> 1912

<211> 671

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(671)

<223> n = A,T,C or G

<400> 1912

gcnggagggga	aatcatnnnn	nnaggcaagc	agtttcaccg	gatagtgaca	taccatcgcc	60
acctttatga	tatccacgtg	actgttcagc	caaagtataa	acacgtttat	cctaagaact	120
ctgtagtaag	aaaaagccat	ttgtagggtg	cttaagcttg	tttgtaaaat	ggcctacttg	180
aagtcctcat	gaataatgag	ggttgacttt	catttgcttg	aaacttaagg	aagtttgctg	240
ctataaaaagt	tactgcaatt	cagtatttct	ttattttttt	cgagacagag	tctcaatctg	300
tcgcccaggc	tggagtgag	tggcatgata	taggctcact	ggaagctctg	cctcaggggt	360
tcatgccatt	ctcctgcctc	agcctccga	gtagctggga	ctacaggcgc	ccgccaccat	420
gcccagctaa	tttttttttg	tatttttagt	agagacgggt	tttcaccgtg	ttagccagga	480
tggtctcaat	ctcttgacct	cgtgatacgc	ccgccttggc	ctcccaaagt	gctgggatta	540
caggtgtggg	ccaccacacc	cagccttttt	tttttttttt	tgaaaaanag	ngtttatttt	600
tgccaaaacc	caggtgggng	nggnngggcc	aaatntgggt	tnttnaaacc	tccccnccc	660
cgggtccanc	n					671

<210> 1913

<211> 685

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(685)

<223> n = A,T,C or G

<400> 1913

ccnncntcca	angggactat	cctctggagg	nnnnnccatg	cagcaagatc	tacgtggatg	60
atgggcttat	ttctctccag	gtgaagcaga	aaggtgccga	cttcttggtg	acggaggttg	120
aaaatggttg	ctccttgggc	agcaagaagg	gtgtgaacct	tcctggggct	gctgtggact	180
tgctgtctgt	gtcggagaag	gacatccagg	atctgatgtc	catgaagtta	ggaaggtcct	240

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gggagagaag ggaagaaca tcaagattat cagcaaaatc gagaatcatg aggggggttcg      300
gaggtttgat gaaatcctgg aggccagtga tgggatcatg gtggctcgtg gtgatctagg      360
cattgagatt cctgcagaga aggtcttcct tgcacagaag atgatgattg gacggtgcaa      420
ccgagctggg aagcctgtca tctgtgctac tcagatgctg gagagcatga tcaagaagcc      480
ccgcccact cgggctgaag gcagtgatgt ggccaatgca gtcctggatg gagccgactg      540
catcatgctg tctggagaaa cagcctacct gtatgtcaat aaacaacagc tgaagcaaaa      600
aaaaaaaaaa aaactcgacc cttnnaactt tagggagcct ttttcntaa atccancttg      660
aaaaaaanct tttttgattt ggnnn                                     685

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<210> 1914
<211> 690
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(690)
<223> n = A,T,C or G

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<400> 1914
ccnncntcna attcggcang aggccagatc cnnnnnnnac agcngaaacg cttgttgaat      60
ggcttcagag tcaaatgaca aatggacacc taccagggaa cggagatgtg tatcaagaaa      120
ggctggcacg tttagaaaat gataaagaat ccctcgttct tcaggtaagt gtgttaacag      180
accaggtgga ggctcagggg gagaagattc gagatttgga gttttgtctt gaagagcaca      240
gagagaagtt gaatgccaca gaagaaatgc tgcagcagga gtttctaagt aggacatcct      300
tagaaactca gaagtggat ctgatggctg aaatatctaa cttgaagttg aaactgcagc      360
ctgtagagaa ggacagattg gattatgaag ataagttcag agacacagag gggctgattc      420
aggagatcaa tgatttgagg ttaaaagtta gtgaaatgga cagtgaagaga cttcagtatg      480
aaaaaaagct taaatcaacc aaagatgaac tggcatcttt aaaagaacaa ctagaagaaa      540
aggaaatctga agtaaaaagg ctacaagaaa aattggtttg caagatgaaa ggagaagggg      600
ttgaaattgn tgatagagac atcgaagtac aaaaaaaaaa gcctttaaac tatagnagtg      660
cgtttacgta gatccagacn tgataagatc                                     690

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<210> 1915
<211> 780
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(780)
<223> n = A,T,C or G

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<400> 1915
annannnaga ggggaatann gantnagttn naannccatn tnnannnaaa nanggggggn      60
naatannatn nnnttgnggc cnaatctgna cgataaacia tngangtcaaa tcctanatgc      120
cttaatatnt gtacattnat anaacaatta tatngattat cnancnaaag tnaactgtgaa      180
gagcgataaa tacttcacta ttaaganact ntngcngag aacatttcag tggaaacantt      240
ngcaaaaaana tttntcaaaa aatgngcaat tcctgggaaa aaaggaaatga tggaaangaag      300
gttantagca gttttncata aanaattaga cannatnggc ctgcattntt atngactaan      360
gaatcccaat ttatanntn aagaccatta atatatgaat acataaggcc ataacatntn      420
aaattaanca catggagtga tttgtnatnt cgtgntaatt taaacntaag atgttatntt      480
naaaaatgat cttggaatat aataaanant ttaaanntga ggaanggaag gtnaaaaataa      540
aaattnctga taaccctttt ctttatgaaa tcntgctaaa taaanaataa cctaggatat      600
acttaanaag aaccaagcca aaaaaaatt accttttaag naancanntc ntnnanttna      660
tntttctttc tgaaatnaat acncnaattt taatgaccnc aggatttttn cngatcttaa      720

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cggnaaagga ataaattaaa naccaaggcn ncatatacct cttgattcat tnnnaataaan 780

<210> 1916
 <211> 848
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(848)
 <223> n = A,T,C or G

<400> 1916
 ccgntnttcc gaantcggca cgagaagact ttctcctaact gcttggaaaa ccataactga 60
 catagttcta aatggcacag ccttcgtgac actagaaatt ggaaaacaac taattaaagc 120
 acagaaaagga gcagcatttc tttctattac tactatctat gctgagactg gttcangttt 180
 tgnagtacca angtgctttc tgcncnngc aggtntngac ccangnncta ntctcttggc 240
 ntttgaatgg ggtgatttnn gcngtgnatt nagctnttcn atcncgtgtnn tcagagccta 300
 ttnttnatnn tnacnctagt actttanngc tatnacagta tcaataantn ntttttntn 360
 ttctaenacac tntttcnaca cccnncgagg ancgagttcc atnttttgct nacaaacnag 420
 tnnncttngn atntannacc ggancctntc anttnnggat ntnanaactg gagctatggg 480
 ggnttacctt gcntttaacn tngannaann ccntctacna agcaatgggc atttgggccc 540
 ncgttnngggg atttctaaga aanccttggat gnaggtggga natttcacnn ncncattggg 600
 nanngcgtat aggcctagaa acantttggg aacggtttgn aanaattctg nttttcgggn 660
 cantttnggg tagnaagnang ggggcntcta aatgtaaacc ataactcctt ntcgganaaa 720
 ggtnnggaaa aaanattttn ttaaaancct aaattccang nngcnncaaa cctttttcca 780
 tttttgcacn ggaaattann ggggtaaaag gccttccctg gaaaaaattn tggcnccctc 840
 taaggctn 848

<210> 1917
 <211> 690
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(690)
 <223> n = A,T,C or G

<400> 1917
 ncccnnctna ntngccggca aaggacttnn tnnnnttgaa aaccatgtaa agtttgatca 60
 tatcattagc tattgggtcag acctattttg ttgtttgaga aaaacagnca catggggaaa 120
 atgggtgagg gaggtagtgt gttgaggagc tggaagtggag cagctcttaa ttttttctc 180
 ctgagactga gttcgggaaga agagtagacc atggcatgga ggtgggagag acaaggacag 240
 agttggggag gtcactgcct cacacttctg ctcacaccgc tgggtctggt ggaaactcaa 300
 agtttgtatc taaaaatggg aggtgttggg atagagtgtg cttcctaata caattgaaat 360
 aaatcaggat aatgttttgg tgctatgtaa taataatagt taatatgacc aattattctg 420
 tgccagacac aattctgagt actttttgag tgtgtctca tttaatctct tcaaaaccat 480
 gtgagaggcc tagcgtggtg gtcacacct gtaatccctg cactttggga ggctgaggtg 540
 ggcagatcat gangtcagga gttgaagacc acctggtcaa catggtgaaa cctgtctct 600
 actaaaaatc caaaaattag ccaggcatgc tgctcaccct tttaatccca actacttgag 660
 aaactgaggc aggattatcc cttgaagccg 690

<210> 1918
 <211> 1325
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1325)

<223> n = A,T,C or G

<400> 1918

acnntaactt	nnntnttnc	ntatgntaag	gnnggggggg	ttnnnncnng	tnatannttt	60
aaataaaanc	ccctttttat	ttntntnanta	ngtagggggg	gggggnatttc	cacncgnntt	120
ttgggannna	gcccnnnncc	tccgatattn	nantatatng	ngngngaaat	actataacgt	180
gtgtntatat	atctccccc	cctatatcgg	ngngatactc	agnanntana	catntntnn	240
gatctccact	ncgaggnatc	anntgnatat	aatcnnncnc	aannagnnta	tantcantca	300
catagatgng	actatatnt	anntncnttc	tcnnactntn	tntntnnact	aatanattnt	360
gatncncnt	attatntcng	atatntcat	aacagtntna	tantancttn	tcnngtannt	420
aannttatat	aagtgttnac	tnnacnagat	anattataag	ttangncgtt	ntcnanctga	480
naactcttta	ttgntntnt	tnatcanatn	atnctttgct	caatcnacnt	tcaattntga	540
atagntnct	ntnngttatg	atatntnnn	tttanatatac	tntntgantn	nantactaag	600
ctctatncaa	cattnnatat	tnnnaannan	acgatannntn	nnctttcntt	gtacctcatc	660
ntntctngta	tcangattnn	gacncgntc	nctntcgnn	cnntcntnat	attatntntg	720
anctnttana	cactatattc	tntatcaata	ngtgtatagt	atgnanacat	ngcncatanc	780
gtaaacataa	acntnatnga	atgatctnat	ttataataat	atattnatat	atcannaact	840
atcatgttat	cctnnganca	tatatatanc	ntgantcttt	agtnctcna	ncattcnana	900
tacgtcttnc	atnccgctnn	tttgnnttat	ncntattgn	gantgtgtnc	tancntnttn	960
ncnaacgtgt	cgtantatac	agtntannta	tgtntttata	ncnnnacatc	cactngtacg	1020
atatatncan	ngcnnancnn	nanntatgta	atntngcnac	tgnntnaant	natncncant	1080
atgnananat	nttntntntn	cattgnatcn	ntagctttta	tcatgcncna	nagnnncact	1140
tgtannngtt	ngtatatant	ntatatcgct	ntcctntttg	angtatntat	tctgtgtant	1200
actncttcgn	cncannactc	agatcnnana	ttcncctcgt	nngangcatg	ttaantactc	1260
ncnngttana	tatatnatat	atcanttctc	tatatntntat	naacttgatn	tatannactn	1320
taccn						1325

<210> 1919

<211> 662

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(662)

<223> n = A,T,C or G

<400> 1919

ncccgatcga	ntcggcacga	ctcagctctc	accagctgtc	agatgctgcc	acagggcgag	60
aacctccaag	atgtgctccc	cagggacatc	tactgccgcc	tcaagcgcca	cctggagtat	120
gtcaagctca	tgatgccctt	gtggatgacc	ccagaccagc	gaggcaaggg	gctctacgca	180
gactacctct	tcaatgctat	tgccggaaac	tgggagcgca	agaggcctgt	ctgggtgatg	240
ctcatgggtc	actccctgac	tgaagtggac	attaagtccc	gtggagtgcc	tgtcttagac	300
ctgttccttg	cccaggaggc	tgaagcgctg	aggaaacaga	ctggggcagt	ggaaaagggtg	360
gaagagcagt	gccatccatt	gaatgggttg	aacttttcac	aggtcacctt	tgtttgaac	420
cagaccctcc	tgcagcanga	aagcctgcga	gcaggcagtc	ttcagatccc	ctacacgacg	480
gaggatctca	tcaaactacta	taactgcggg	gacctcagct	ccgtcatcct	cagccatgac	540
agctcccagg	tggagggtcc	caattttatt	aatgccacgc	taccacctca	ggaagcgcat	600
cactgctcaa	ggaagaattg	acagctactt	taccccgga	acttgatcta	caaaccggaa	660
tg						662

<210> 1920
 <211> 663
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(663)
 <223> n = A,T,C or G

<400> 1920
 ccnccgnatcg aattcggcac gagggccacct actgcgtctt ggtcatggag aagaagagct 60
 ggagacagag aaagatttca gcagaatcct caggatggat ttagccgact aaaacgatgg 120
 attatgattg gcgatcatca ccagttacct ccagttatta agaacatggc ctttcaaaag 180
 tactcaaaca tggagcagtc tctcttcact cgctttgttc gcgttggagt tccgactggt 240
 gaccttgatg ctcaagggag agccagagca agcttgtgca acctctacaa ctggcgatac 300
 aagaatctag gaaacttacc ccatgtgcag ctcttgccag agtttagtac agcaaatgct 360
 ggcttactgt atgacttcca gctcattaat gttgaagatt ttcaaggagt gggagaatct 420
 gaacctaatc cttacttcta tcagaatctt ggagaggcag aatatgtagt agcacttttt 480
 atgtacatgt gtttacttgg ttaccctgct gacaaaatca agtattctaa caacatataa 540
 tggccaaaag catcttattc gcgacatcat caatagacga tgtggaaaca atccattgat 600
 tggaagacca aacaaggtga caactgttga tagatttcaa ggtcaacaga atgactatat 660
 tcn 663

<210> 1921
 <211> 909
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(909)
 <223> n = A,T,C or G

<400> 1921
 aaannnnnnn ananagnngg ganaannaan tataaaaatt aatnaaana gnnggantn 60
 annnttnnnc tntggaaaat tntnttnaga taaaataaag tnagaattac annaattaat 120
 taaacnaaga nnnanatttn naatagggaaa gataaaaanaa aanagattan taaattataa 180
 anatanaant gntggaaatnt gaaattaatg aanaagntaa tattaaataa aaaaaagaaa 240
 atgtaancat tatngaaaat agtnnnaagg attaaangaa naaacncaa aanaaatca 300
 ntntaaagn nngnatagna naaaaatnat ataataaaaa aaaatangtt tnaaaaatgt 360
 ganaaanaaa gattaaanac ancnanatnat taaagagtna tacnagtngg aatgaaaaaa 420
 nangatnata tatnnntaaa gtaaagaatg anaatnaatt nataantaag naatatagta 480
 aataaannag nngnntaaaa attaaantgg gaatnnaaat gntaaanant gtacanatag 540
 gagatggnaa taaatttcna ataantgatt agaaaatnnt gtntatgaaa agaaactgtg 600
 nnaatataaa ganncaacta ctattaatan aagctangat ttgtttanaa nantntataa 660
 tggagntaaa naaatngaag ngngaatatg aatattgata attatctaaa aanaaanntt 720
 taatattnga gatatttnga ttataaggta tttatgctgn nntaataaga agttaataat 780
 cattaaaatt anggantntt taanaataan tgtnnatggg ngtaaaaaa caanaaaatt 840
 anaangatta aagaanttaa anaaantnnt ttagacatat aaanaannat nannannnat 900
 nattaataan 909

<210> 1922
 <211> 1325
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1325)
 <223> n = A,T,C or G

<400> 1922

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nncannnnat tattctcncn cnnaatnnaa ggtgnngggg ggggttttct ncaactncnt      60
anntttttng gnatnnnccc cnantgnata ngntnncnag gatannnggg gggggggggttn    120
ncanantata gntttttggg nnagananac ccgtntnccg natntaatnt ntagattggg      180
ggantattnt atantatgag nggggnnatgn ataccctctt cattcngnan acacnnatta     240
naatatgctn atgntanctn cncctcnnnta tntctancg tatattttnt tcaccatnan      300
atnnntnntc ncatcacncn ntannatnna tttntncaat tntncnanc nncantcgtnt      360
tanaatcata tcntanatnn ctataanaga cgctctaact aatcgcacnt atnntatttta     420
tcnntannng agtnttntat cntatatcaa tatanatttc tcttagatcc nanttacntt      480
acctntannn ctctantat tctnactnnn nnntcnacgt nacgnaataa tancctctat      540
nnacgctcgn tgatgncnac tgntnntatt nnatnnaata ctacttctcn ntctntcnnn      600
cntctatcac atttncgata ttgaactcgt ntntatnctn ccttanntca tnttntnnc      660
acantanaca tcanntangn atnntgctcn tntancntna tctnnctana tctctctatc     720
tantannttn tacnctagcn aannctnntc nnatntattn antacttcaa tactntntnn      780
actnttttga cctnatctnc tnnnttggtt gcttttataa catntantnt annntctgac     840
ncttatancg atntatctcn atannanttt ncncctatn tntcncctta tnnntngctc     900
acnatatnna cnnnncataa gataaacntc cnantnatth acncatagat ntatangtaa     960
nattatgtca tatgtccttc antntnntnt gacatatgaa tncagtacct atatctgac      1020
nngcatatan nctcgcncac aacnctcata naantatcct tatatanata tgaattngtg     1080
tangagntat gccgntaacg tgntcnatac gctctatata tgcaatnatt tttttcatac     1140
ncatgtacag tacntctatg tntatntag tanatgtctc nactatganc tganantatt      1200
cagntatagt cccttncnac tcctctcgan anactctntc actatnnata tannttctct      1260
naatctatnn ntatatctct cttgatnctt ctcacaaaan atgagantca tgtatatnta     1320
ngcgn                                     1325

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<210> 1923
 <211> 823
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(823)
 <223> n = A,T,C or G

<400> 1923

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nnttntnnna tanngggggn nntttntntt tgaacnctt ttnntannca gnggggnaaa      60
cgcgnttnnn nantccccc agtttacttg ggatnaannt gnggtgggga atancgttat      120
gaatatanac cncggnggac ctgntagang cctgnanatg ctgtncacag ctnggggttt      180
tgggatantn tccgtggnta ctgtatgtna cgganagtta tagcctttac ttactgtntc     240
ccctnacttt ggagngatga gagatcngnn ttnganntca nnatcntgtt ggatggntan      300
tctgnctacg gngctgntat ngcaaatac ntactngat tgagcacctn actgttttnc      360
ccctcctctn ctcttagatt ctgnttgunc cggttattct ctacctacct cgaagtaatg     420
tgtntctcgt cactcctatc tantctcctt ncccttatct tctntgcctt natntnnaga     480
atctgtggng nanntcctng gcatacaaan cagnttnatc tnttanaagn tntngtggtt      540
nagtaanaaa gccatntng tgntnctttn atctagnnt ntgggggttn ggaaaanntt      600
atnnnnatta ntnaagggtg gannntnaan cgtntgaata tttctnatga aactgggnat      660
ntgtngtctt aataggaggt natnctantg ctactggana gangnttggg gatttttcaa      720
tgntaagngg gnttggaact ttatcnngtg anatnnntna nngggggtnn gngcngcgtnt      780
aacnatgntn tgaaatantt ngnggggtng gcntanaana nng                                     823

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<210> 1924
 <211> 1171
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(1171)
 <223> n = A,T,C or G

<400> 1924
 attantnact anaagtagtg gggannnnntt anttattttna antcnnntnt ntnangnggt 60
 nggntnatnc nnnatttnnn natnaggncg aatnncnntc ttntaaattn aagngtttcg 120
 cntnagggac tanttggtct aaacttggtg gctcnattct gggnaaatnt agtnttncan 180
 tcttggaactn agnggtaatg nttnttcana nttattctaa caggnannat ttnggtnttn 240
 nttcaataag gngtgtannn nangtgcgng anngannnaa nntgggttaat gntggtntac 300
 ataatagatt attntataa tgccatacna nnnagngtgc tcttnnngaa tantgattac 360
 ttgntttnta gttgatnann gattttgaat tgnngnattt tctaangcgt tanttngcta 420
 naaatcgggg ngtngttggtg ntagttaacn tgannnatcc ntnaggcngt cngcnatana 480
 tnattcttna nacatccagt ntntagnttt aantntattg ngantagggg tggaacattn 540
 nggaactcat ggattgccta tcnnnttctt tatcatncca tgggttaann gttttgttat 600
 atgatagtat anatnnnang aanaatgatt tgnntaaata tctacnttgn nataggntaa 660
 gttattcttg natngtggtta ttngtcnaga atctggntct nttnnccatan cngnggannt 720
 nntcacgntc ntgntnanga ttatncnna tatatatacg cntttctgta tttagnanat 780
 ntntattttg tgaantaana tntacntnat nngntngtct natntnccg cantatatnn 840
 gnatgatnt gtnctatnat tnttnngagg tnn catttg nagantnng nctcantnga 900
 cgaatttntn tctgtacan antcgaana tncggtaana agggacnaaa tntgtgctc 960
 anacatnaca cantacggca tagtgacatc tnaggnnnga tcnntagtna taaatctcta 1020
 ccagannntn atcacttant nnnngtnnaa atnntctcta tgttttgagt gggcnaattg 1080
 nattatctna tntctgtaag gcncntnngc ggntactana tntctanatn tactnntctt 1140
 ntancnttgn gnntntnctc acctnccgngn n 1171

<210> 1925
 <211> 1010
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1010)
 <223> n = A,T,C or G

<400> 1925
 tntcgttnnc tnatagnggg gtctntgttna tttnttnnca nntnnaatag aggtgggagt 60
 ctagnnttgn nnnnagaccc gagtgagtga ggggttnatn nngnnttnag ncnnggngtg 120
 cgntttttnt ancntanaaa tctntntcgt tnnantntn ttngctaann tttanntagn 180
 taanangttt taagtntagn tccntnnant atnatgnntg ntnttaagnt cataatnatn 240
 tnncaagat ntgnnanngt gcttagaaaag taaattattn antttggtng ttaagtagat 300
 ntgtatnagn ncnaaatana ttnaatcgat tggannnttg tnttnaatat ngnntnctng 360
 agctnnannn aaaaantgna ancantnaan tttnanntca tnnagtngga anttaagttc 420
 tnntnaacat tttcntnttc atttaattga tatattatta gtgataaang gtactaantt 480
 tngtattatt nnnnatnatg gtaatantca gtttgcantg tntttattn gtccnaangt 540
 ngaattgttna aaaaatgtgna tnnnnanaat ngcgtagnat taanatnngg ntntggngatg 600
 ganctnnnat nttngtnatg tattngntnc anatnnntat cagatatngn tnaggtntng 660
 ctntatnatt acangnttat tnaagtnngc attattngt ctacggcatn atanganan 720
 tnnttanann attnnnttgg anananattn natgttgaan tgggagataa cnntaanntg 780

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ntgttttnna antgtatatc gnatattncn catmntangt ananatatga nnagttttaa 840
gttnntatga ntggntcncn atgttatatt nnttcaggta tagngantat nggtannacn 900
cnatanattg nctcatgatn atgnganaaa tggancnaan tctanatntt tganatgaaa 960
catagntagn aaatncgatg tgnagaang tatggttgta tngcanatng 1010

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```

<210> 1926
<211> 665
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(665)
<223> n = A,T,C or G

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```

<400> 1926
gngntcgaat tcggcacgag acnanntnc ttatcctcan aacacnttag nnnagctctn 60
nagtaatctg gctacnagta tgcctagaa aagnngacac attnnctnaa anatgatgat 120
agagaacang tgatnttttg ngcngattac caanganctt tgccctgttg agngtctggg 180
ggatcatagg gantcctnnn cngccttan antnatngca aggtcangat cgctgagggn 240
tgagnatgga nctntcatat ctataanggc aacctngagt tgatcnaaaa aangnnnacn 300
tnctcnnagt acaccnactc anancanngn ngacatntgc atnnannngg acaccntctc 360
attaatantc aaaggataaa ntttcttttc ntatgacanc ncctacncc acnngtnacn 420
canggcncnt cncctnanac agtaaaccca annacnntg cncaccanat cacctgtnc 480
gaggnttatg cctnagcata tttcttttaa gccgagggna agttcnntat gccacccttg 540
ctttgtaaca aanttattnt aaagtgactg gaattatcta ttccccagat ngatcatctt 600
cccctgcaac gngactctgt ntcctgcgcg gnttccatgc tgactagtcc cctactgnta 660
atatn 665

```

```

<210> 1927
<211> 1035
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1035)
<223> n = A,T,C or G

```

```

<400> 1927
aaaaannaaa antgaggggn natanatata tanntannaa naanaagang aagggggata 60
aaanagatgg nnggcnggng ggannnatat gaaagggagn anagaanana ngnggaattn 120
caatatgant angtaatnat aaaaagagaa agtnggaaan aattataaga nntantataa 180
aangaaaaaa atantatgan aatnaatang tnanaagaaa tataaataat anataataaa 240
ataanaatga anananaaga ngtaaatatt agnaatatga antaaaataa tnnnaaaata 300
naaatnanna aaaaaaatan aatgtnaaaa annaatanan ggaaatntna aatanaanaa 360
taangnantg ataaaatatt anatataana aaaannnaaa anagnaaaaa tntaaannta 420
aaaangagaa antgaaaata anataanta gaanataaat aataaaaagta taatatgaaa 480
aaaatanata ataaagaann tataanaatg aaaagaagat gtaanntnan tatatnanat 540
naaaaaagan aaagngaaaa aanatattna atataanatt anaagatata aanatngata 600
gaaanaanta anatgagann anatagagaa gataatanna taaaanaaga gtaantaana 660
aanaataaat gannaanta taaatanata aataggtaaa angaaaataa aaataaaaag 720
anannnaaga tgaagaagna angaaaatgn aataanatat aaaannnagn atntnanaga 780
gataanaagn aaaaaaana aanananaaa agnatganna tanaanaaat aaaaagtata 840
aatataagaa tngangaaag angagtanaa tgatagnac taactataaa gaatatnana 900
gnaanganat gagaanaatn atngaatagg aaanataann attatntnaa natnnaatta 960

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gntatnaata tnaatganna taaanaaant atatgaagga aanangaana ataaaaaatna 1020
angtaaaaaa aannn 1035

<210> 1928

<211> 665

<212> DNA

<213> Homo sapiens

<400> 1928

```

ccccgatcgaa tcggcacgag ggaagacaca ataatttttaa attgcctaca gcaggggttg      60
gcaaatagtg gtgcaagggc cacatctggc tagcagccta tttttgagaa tgaagtttta      120
tgagaaccca cacatctggt ttagattgac tatggctgcc tttgagttac agcagtggag      180
ctgagtagct gtgacagaga ctatatgacc tacaaaaact aaaaatattg gtcctttaca      240
gaaaaagttg tctgacctct ggctactat ttcaaactct gggtaggtcc tccacgtcag      300
ttcttcatgg aactgtattg ccgagggaag ggcagtcacc acactgtgca gcccttcatg      360
ctgtgctcct ggctttctct gccatcctga gccgcaggct gtggggcagc gcagcaccag      420
cactgcagct gagcagaagt tttgtgcccg cctgccccca tcccctccag gccacgtttt      480
agatggccct ttagtttgcg ggtcctgggt gtcctcagaa ctagacatca atgcctggat      540
ccttcagccc ggccctgccc tccttttagga gacaggagtc accagggcac agccctccag      600
cccgcctcag gaaggaatga aaggaatgcc atcatctcta gttcccaggg cccagccttt      660
ccctt

```

<210> 1929

<211> 665

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(665)

<223> n = A,T,C or G

<400> 1929

```

cncnttcgaa tcggcacgag gattgatgta gggttttaaaa aaggcatttg tatgttggtta      60
gcttacatat ggggctaggt aatttcattg cttaaaaaga tgccgctagg ctccctcttg      120
gtggctggat ttctttttct tcgcccgtgg tggccatggt tcttaatagg gccaccggaa      180
tcatggtttc tttctttttt ttttttttna aangagagnt ccccntgnna ccnaggntgn      240
agngcagggg cncaatntng gttaantgaa accttngcct cnnggggttna ccccntnttc      300
ntgtntaacc ctcntnagna nnnngaacta cnggnnaatn ccnccacccc cggntnattt      360
tngnnttttn agaaaaaang gggtttnacn ataggggnna ggntgtnttc aaactcnnna      420
cntaagggnna nccnctgcn tngnccnccn aaagggntag nattacaggn gnnaccacc      480
acncccgnc cnaaanaaag ggtttttgna ctttctgaac ccctngtncn tnagtctgct      540
ggnanattna ngtggacctt aatnatTTTT tattctgaac ccctnttaac nttaaatgng      600
aaatntaaaa aattaaaaag tanaanggnt tttattgttt tgacaccttt gaaattttta      660
taaan

```

<210> 1930

<211> 673

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(673)

<223> n = A,T,C or G

<400> 1930

```

ccnncnncga ntcggcacga gggcacagtc ctctctgttc atagaaacac ctgccagtgt      60
caaggattcc agtcagggtgt ctatcccaac tggtcaggga gagaaggga gacccattct      120
caaagaccac catgtccaag gtctgacagc tcccactgg ctgccccac aggggcttta      180
ggctgggtctg ggtcatgggg aagcgtccct cttatcgctg gtctgtgttc tcctggattt      240
ggtatctatg ttggtacgac tcctggcctt ttatctaaag gactttggct tttgtaaadc      300
acaagccaat aatagacttt tttctcccc tctgtttttt gctgtgtcat ctctgccttg      360
agactgcctt gagacagtgc ttgccttgag agagtgcgac aattaacagc tgcctgaatt      420
gtcattttcc attttgggtt gtttagagggt ggaggggtgg gttttgagaa ggtcaaaagc      480
aataaccagaa gtaaaggga atatacagaca atattttatt attttttcat agatgttctg      540
ccacacaaag aacttgggggt gtaaggataa aggcacaaagc ctccaatccc atttttcaag      600
ttctcctang atgcacccct taaggagacc ctggccagag ttccgaggcc cgtgagcgtc      660
aactgttgct ttn

```

<210> 1931

<211> 667

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(667)

<223> n = A,T,C or G

<400> 1931

```

ccnccnccctg ggaggaaataa ttcaatttga ttggcagata tatataatac agtaggagaa      60
taattgggaga aagataaatt gagactagaa taggtagact ttaaatagcct gtctgggttta      120
ggtatttgaa ctttcaagggt gtggtaaatg tttgagtaaa ggaataatgt gtccaaagat      180
tattatggaa ttgtctctct gcatacctct atcgctgttt gtcacagctg tgttcttatg      240
tgactgattc ttccctgaaga ttagaaactc ctcaaagact ggttattaga gcttattctt      300
cattatagcc ccagcactta gtgcaatgac agaagcaaaa atattaattg aattgagaga      360
aaattgagat atagagacga gtcatttttg ttcacaacag aactagtatt taatgaataa      420
taattggaaaa gactgagttg ggttactggt taactgagag catcagagat ggataggcag      480
ggaggattta gaactgagag tgaattacag caatgaggga agcagaaagc tggaaagtga      540
gagcgttttg cattggggag agtgctgagt gacgagagtt tttggaggta gagaaattta      600
taaaactaat cagaatgaac atttcatttg aagtaatagg gtaagcctct gaaaattgtt      660
cctangt

```

<210> 1932

<211> 708

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(708)

<223> n = A,T,C or G

<400> 1932

```

cccnntccna ntcggngng caacnacn tnngngcccc cctcctatag gngaattcaa      60
ctcantgccc gatntnncat atacagtcag gntnntanng ngngaacnan aatttnntac      120
tannanacnt agactnnaan tgccgngtct gggttatggn tttgaacttg cncnagagtg      180
gtatnccgtc ncataaagga anaangtgnc caangattat tatggaattg tctctctgca      240
tacctctatc gctgntgtc acagctgtgt tcttatgtga ctgattcttc ctgaagatta      300
gaaactcctc aaagactggt tattagagct tattcttcat tatancccca gcacttagtg      360
caatgacaga agcaaaaata ttaattgaat tgagagaaaa ttgagatata gagacgagtc      420

```

```

atttttgttc acaacagaac tagtatttaa tgaaatataa tggaaaagac tgagttgggt    480
tactgtttta ctgagagcat cagagatgga taggcaggga ggatttagaa ctgagagtga    540
attacagcaa tgagggaagc agaaagctgg aagtttgaga gcgtttgnca ttggggagag    600
tgctgagtga gccagagttt tggaggtaga gaaatttata aaactaatca naatgaacat    660
ttcatttgaa gtaatanggt aacctctgaa aaattnttcc taggnttn                    708

```

<210> 1933

<211> 641

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(641)

<223> n = A,T,C or G

<400> 1933

```

agagtttang aagaaaggag gatttgaagg gggaggattc cttggaagaa agaaagtccc    60
ctatctggca tcatcaccaa gtacttccag agtgctggga ttacaggcat gagccaccac    120
acccgacact taaaggcat ttcttattta tccttgtttt agtcacacca tagtggaatg    180
agtaatcagt tttagaagct gcaaatttac cattctctca aagatgctag tgtaataggg    240
cactttaatt atgagtgggc tatatgctta ttctgtatgt atccttctta gtgagttgag    300
aatattatgt attctaagtc tttttttctt anactgaatt gggtgactaa atacatttgt    360
actatataat tntagtgatt ttaaaatcca gctaactttg caaacttggg ttggaaatct    420
tgttaaccac taatatatac agccatatag ataaatggat gtttagttca ttagatctta    480
ttaactgaca attaactgtt ttaataggaa caagagtttg ttcagaaacc aacagccaag    540
aathtagatg gctctctgaa aaagatcatc ccancagcag aaggcagaag ttagctaata    600
ttgagagaga gtgcctggaa taacaaagca acagnttcat g                                641

```

<210> 1934

<211> 657

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(657)

<223> n = A,T,C or G

<400> 1934

```

cctaggtggt ataatgtgat gtacattaca catgaactat ctacactcac taaaagccat    60
tatttaagag taagctcaca tagcacacct atttccttgg tgttgcaaag cttgaggttg    120
cacagctttc tcattttgta gagcaaatga cagttttcat caacagacca atggattcac    180
agctaagaat aagacaactt gaaaactcca cgtttttaca aatcattttc tattaaatta    240
taaaaacctc tgggatccaa actagcaaaa aatgccaatt ttcaaaaaaa aaatttttta    300
gtggaaaata caaatatggg ctctatctaa tttttaaaaa gctggagctg ggcattggtg    360
ctcacgccta taatcccagt tctttaggag gctgaggtgg gaggatcatt tgagttcagg    420
agttcaagac cagcctggac aacatagcaa gactctgtct caataaaata aattttaaaa    480
gccgggtgcc atggctcaca cctgtaatcc ccggcacttt gggaagtcaa aggtgggcag    540
gtcactttga gatcaggagt ttcaanacca gcctggccaa atatngnnga aanccttggt    600
ttttttttga aaaaaaccaa aaaatttaac cttgggccat ggtaaacaag gcncccn        657

```

<210> 1935

<211> 646

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(646)
 <223> n = A,T,C or G

<400> 1935
 tgctgcccgc tggtcagtat tgggaagcaa ggtgaccgca nggggggatg atcatgcagc 60
 ccacttggtc cagggttcac cggggccccc aaccgtttct actgcagcca aaccanatat 120
 gctactggtg gggcaagtcc aaggtctncg accatgccac ctgccctggg ggctcccctg 180
 gaaccccggc ccctggattn agctctgcag cctcctccgc actcaggatc agccctcctg 240
 tcctgccact agcccttttg tcccagggtt cagcgatacc caggccacgt gcccaacttt 300
 ctgagccana cccagggtta cctgcggagt ccacaggacc ccctgcgccc ggacgcccacc 360
 gtgcttatag gcttncctgt ncaccacgcc agccnccggt gtgtcaacca ggacctgctg 420
 gactccctgt tccaggggcn tgaatgagga acgcgccact tggacacatg aggaaaaagc 480
 tgcccttggg agctactgat gctgtgacct cacctctctg gntttgggcg gnaggnccct 540
 tgcacctagg atgcctngcc ttggaaaang nccttgcatc cgtgggcctc cnttanaggc 600
 ttcttcttaa aagaagcctc ttgcgaatgc acagggaagt gtgnca 646

<210> 1936
 <211> 654
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(654)
 <223> n = A,T,C or G

<400> 1936
 tttgaagnnn nncnccgcaa atatgcaaaa ttttgtatta taattcaatc tgtatgacag 60
 ttatgtgagt ttttttttgt tttgttttat gcttgtgtga agatttttgt agttaagctt 120
 tttttaaaaa aaagtcaact gagttactta cgtgatgaaa ttagaacaca tacttcttac 180
 aagcacattc tctctatcc ccctctccat ttcagttggc accataatgc catttttgcc 240
 taaccataac ataaattaat atcattttat tttatggagt ttttctttct gggataataa 300
 cattttctgt ttgttgcata attatcacag acaggttttt ctttttttgg agatggagtc 360
 ttgctctgtc acccaggctg gagtacagt ggcgcatctt ggctcactgc aacctctgcc 420
 tcccagggtc aagcaattct cctgcttcaa cctccccag tagctgggga cacaaggcac 480
 ctgccatcaa gcccagcta atttttaaaa atatttttaa gtagagaang gggtttctcc 540
 atgttgcca gncgtgttg ggaactcctg gacctcaana aattctncgc acctcaacct 600
 ccgaaagtgc tgggattacn ggnggtgaac cacagnccct ggccacacac ang 654

<210> 1937
 <211> 748
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(748)
 <223> n = A,T,C or G

<400> 1937
 cgcctgggaa tactcgggag gctaaggcag gagaatcgct tgaacctgac ngntnnccg 60
 ttgcagtgc ccgagatcgc gccacttcac tccagcctgg gcgaaagagc gaaactccat 120
 ctcaaaaaaa aaaagggaag ttgaanaana nctgcaaatg tntgttngg gtaactttat 180
 gnagggttgt gnncgtaagg gccattannt aacccagga ntncntttta ngggaaaggn 240

```

ggnaaggct gttcaaacnc agngagtcca tgtnaaaat atgttttggt tccctnatte 300
ntttcccat cttttagtta ctaaaanatg taactgaact gcanatcctt ggngaaatat 360
ntttcaacaa atntttatgt gagggactga ttgcanagan ccacanacta anacnntgt 420
cgnttcctg aaagatgaaa ngccccattn ttgcctatc ntenttaaag gncagcngtt 480
gggggacttc tgggnntgga ccggnattnt ggcnnccnn gttnaannng gggctttttt 540
taaaaaanaaa aatttcaccn cntngacct ttggannagc nattagggaa nggncaccatt 600
tgnaaatnca anaaaaatnt tgcntccnaa aaaaaaaaaa aatttttaggg ancctggntt 660
ntnccacttg ggggannagg gnttttaanc ccnaatcctt ngggaacttt ggggaaaacc 720
caaccttccc tttttggcat ttttaattt 748

```

<210> 1938

<211> 640

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (640)

<223> n = A,T,C or G

<400> 1938

```

ggctgtggtg gagaagctgg gggccccctt ccaggtgctg gtggccacgc acgcaggctt 60
gtaccggaag ccggtgacgg gcatgtgga ccactgcag gagcaggcca acgcaggcac 120
gccatatcc atcggggaca gcatctttgt gggagacgca gccggacgcc cggncactg 180
ggccccgggg cggaagaaga aagacttntc ctgcgccgat cgctgtttg cctcaacct 240
tggcctgccc ttcgccacgc ctgaggagt ctttctcaag tggccagcag ccggcttcga 300
gctccagccc tttgatccga ggactgtctc ccgctcaggg cctctctgcc tccccagtc 360
cagggccctc ctgagcgcca gcccgaggt ggtgtcgca gtgggatttc ctggggccgg 420
gaagtccacc tttctcaaga agcactcgt ntccggccga tattgttcaa cgtgaacagg 480
gtancgtncg gtgtgcccg nccggggcg tcccttgccg ntgcttctc ttcancgcca 540
nntctggagc angcgcccca cnacaaccgg ttttnngana ngacggactc ctctnatatc 600
cccgtgttca nacatggtca tttatggcta caggaaacna 640

```

<210> 1939

<211> 646

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (646)

<223> n = A,T,C or G

<400> 1939

```

gmnncggccn gaatacattt gttcatgatg tcaagtgtct ggtatgtagc taatgcttat 60
tgaacacata gtaatttatt gaataattgt catgatcact ggatgagata tagccactgt 120
ggaggtaggc acaccagggt tttagaggct tgggatcttg caacaggatt ttctcttg 180
ctctccaaac tgccctttgc ccagatggct tcagcatctt tttgcatccc tgtttccttg 240
tttggtgaac acctgtctca acctgtctgc aaggcgtggt gagattctgc atccttggtg 300
agcactcatg tcaactccaa acagctgttt gatgctaata gcacacatga ggtcttgcaa 360
atttgtctga ggaactacag gacattggag agatatttat caaacacca ctacatgcct 420
gatacttaac taggaactag aaagtgggtg gtgaagacaa gtggaaagta aatgcaaacc 480
tattcccata tatgtttgnc gcttagattg ttcccacaa ttccctcttg gaattgaatg 540
aatggacgtg tgtgtgtgca tgtgtaagng gagtgtgtat gccttggtg gtattctgag 600
ggcaagtcan gtanagggaa aggaggccan aagccagaaa aatggn 646

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<210> 1940
 <211> 704
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(704)
 <223> n = A,T,C or G

<400> 1940
 ncagatgtgc agttgtgttg actctttgtc tcccggtgat aaacccatgt gatatnnccc 60
 aaagtagata atcaaaagaa ttgacaaaa aatattaaag caaagcaaag aaacaaaagg 120
 tgatactgcc agaagtgaag tttgaatgga acataaatgg aattacagag gaaatagcaa 180
 agagtgggaa tgttggcact gctgtgttgc cagtgactct agatttgctg ccagacaaac 240
 ttagtgaaag cattgtgaca taaaggatga acaagtgaca ctggcataag attttacagt 300
 aaacaaatcc tgaagataat ttcacccatg tgaaggcacc aaggatacag tgtcagaagc 360
 tgatccttag gaatataacg gttcaccatg gcatagaaaa gatgtatccg gccaggtagc 420
 gtgcctcaag cttctaatacc cagcactttg ggaggccgag gtgggtggat catttgaggt 480
 caggagttca gggccagcct ggccaacatg gtgaaaccct gtctctactt aaaatgtaaa 540
 aaattagctg ggcagtagtc gcatgcgcct gtatgccag ctctcaggag actgaggcag 600
 gaaaaatcgc caagancctg ggaaggcgga ngttgccagt gaaccaaaga tcgcaagcan 660
 ttgcacttnc aacctggccg anagantgag aaccttgntt caan 704

<210> 1941
 <211> 717
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(717)
 <223> n = A,T,C or G

<400> 1941
 ccnccatcga ntccggcacga ccacctaaan atcattattt tcaataactta aatattagcc 60
 catnnnnnt tatcttcaga tgtctataat tggagccta tatagaaatg gttgatgagc 120
 ctatcggttg aaccactgca gagaatagag tgatggtctt agggcatcct gtactttgca 180
 tgctcctcct ggaagttaaag agtaagacag agaatagtaa taatcaccca ttccagaact 240
 ggttgacaaa catcacaaaa gcttgtccag acttattagc aagttaataa aaaactagac 300
 ttctttctaa gtacttataa tttaggctgt ggggtagttc tgttatgata catttgttt 360
 aaaatattct gcttcttttt aaagtgagtt gtatgtgtct ttgttgtagg gacgtgcaat 420
 ttttgccagt ggcagtccct ttgatccagt cactcttcca aatggacaga ccctatatcc 480
 tggccaaggc aacaattcct atgtgttccc tggagttgct cttggtgttg tggcgtgttg 540
 attgaggcag atcacagata atattttcct cactactgct gaggttatag ctcancaagg 600
 tgtcaagata aacacttggg aagaagggtc ggctttatcc tccttttgaa taccattaag 660
 agaagtttct nttgaaaatt gcagaaaaag aatgnngaaa gangccttac caagnan 717

<210> 1942
 <211> 714
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(714)

<223> n = A,T,C or G

<400> 1942

ccccgntcga	ntcggcacga	ggttggaagt	tcctaattct	ttcctcgggt	aactgtgaaa	60
ctctgnnnnn	nnggaaggcc	tggcctcagt	catcaggcca	ggagaggtag	tggacgcgc	120
gcacgcactc	gtctgccagc	gaggcccaaa	ggggaagcct	agcggagctc	agtgtggcag	180
ctgctggcct	ctgggccggt	tgtgcatcta	atcatccaaa	aaattcagct	caaaacctga	240
ctaaagatag	tactttaaaa	catgaaggct	tctattcaga	gaacttaact	gaatctagaa	300
aattcctgaa	aagtagggaa	aaacagtcca	gcctgaccga	aataaaagga	tctgtttatg	360
aaacaacata	cagtcctcct	gaatgtccat	tctgtggaaa	aataagaggag	cacagtgaag	420
atatggaaac	tcatgtgaaa	acaagcatg	ccaatctttt	agacattcca	ttggaagact	480
gtgatcaacc	actctatgat	tgtcctatgt	gtgggctcat	atgtacaaat	taccatattc	540
ttcaggaaca	tgttgacttg	catttggaag	aaaacagctt	ttcagcaagg	catggataga	600
gtccagtggt	ctgggtgatct	acaattggct	cancagcttc	agccaggaag	aagacagaaa	660
gaggagatct	ggaagaatca	agacaggaaa	ttgaagaaat	tcagagcttg	caga	714

<210> 1943

<211> 718

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(718)

<223> n = A,T,C or G

<400> 1943

ccnccgntcga	ntcggcacga	gccaaaaggc	ataaagataa	gtgagggatg	gagttctgga	60
agttgtgnnn	nngggnnaga	tttactttca	ggtattggca	aaaatcacag	ctggagtgcg	120
gattaagcat	ggtaggaggg	tgggtattgg	agaaggaatg	gaggggaaaa	aggaaaaact	180
acaaatcatg	ttaaaactgt	cctcattgag	ttttacaagt	aatatactgg	tcttatatac	240
cctttcctcc	taccgtggga	aaatatcact	aacttgtaat	aggattaaat	gaggcaatac	300
gtaagctttt	tagacatttt	ctttatagag	aacattatta	gaagttggtg	gcctggcgca	360
gtggctcgtg	cctgtaatcc	cagcactttg	ggaggctgag	gcaggcagat	cacctgaggt	420
caggagttca	agaacagcct	ggccaacatg	gtgaaacccc	ttctttacta	aaaacacaaa	480
aaaattagtc	nggcttggtg	gcacaagcct	gtagtcctag	ctactcgggg	aggatgaggc	540
atgagaatcg	cttgaaccca	ggtggcagag	gttgacagtga	gccaagatca	cgccctgcac	600
ttcacctggg	caacagaagc	gagantccat	ctaaaaaaaa	aaaaaaaaaa	aattcggccc	660
tttaaaaatt	ntagggagcc	gttttacgna	nanncccaac	cttganaaan	anacattg	718

<210> 1944

<211> 715

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(715)

<223> n = A,T,C or G

<400> 1944

ntcnantcgg	cacgagctga	ttgagaatag	tncgagatga	caccacttgg	gtaaaaggac	60
nnnnnnnagg	aactgagcac	tcgctgggac	actgtctgta	aactctctgt	ttccaaacaa	120
agccggcttg	agcaggcctt	aaaacaagcg	gaagtgtttc	gagacacagt	ccacatgctg	180
ttggagtggc	tttctgaagc	agagcaaagc	cttcgctttc	ggggagcact	tcctgatgac	240
acagaggccc	tgcagtctct	cattgacacc	cataaggaat	tcatgaagaa	agtagaagaa	300

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aagcgagtgg acgttaactc agcagtagcc atgggagaag tcacacctggc tgtctgccac 360
cccgattgca tcacaacccat caaacactgg atcaccatca tccgagctcg cttecgaggag 420
gtcctgacat gggctaagca gcaccagcag cgtcttgaaa cggccttgctc agaactgggtg 480
gctaattgctg agctcctgga anaacttctg gcatggatcc agtgggcttg agaccaccct 540
cattcagccg ggatcangag ccaatcccgc agaacatttg acccgagtta aaagccctta 600
tcgcttgagc atcaagacat ttatggagga gatgactcgc aaacagcctg acgtggaccg 660
ggtcaccaag acatccaaaa gggaaaacat agagcctact ccgcgcctnt catan 715

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<210> 1945
<211> 1006
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(1006)
<223> n = A,T,C or G

```

```

<400> 1945
nctannanan atacnnntna atnaantann atatcanttn aaacacnnnn atcnantatt 60
atctnatccc tananantan aaatttnngg gctntnttan ntaatcanat caaagggant 120
atnnantntn anancctaac ttntcntcan tntctnnnnn tgtantacga tttcctcann 180
ntnntntgaa aaaacnattt nngccaactg ctaanntact cantcgttac tgaaanacaac 240
nagtgtagca ataatggct aatagttcca ttggncgtnt nttactcaag cannaantac 300
ancannngtn aaaacgnngc caacatanga tacctttctt ggaacnattt ttgnnnctna 360
taaggcnaaa agncttggtt cnaataaagn tntacnctn anttnattaa ctgctantt 420
antatgaaca nttcnatag aatnaaatcn aaanaanaat ctnatnnnta ttgatttctt 480
cngatanann cnatnttatt ncctttaatc tattgcctnn aanttcnct anntntncnc 540
anaagctgtc catgaattta tttcannncc acntaattna gggnnncacc nantaagcnc 600
tcntgatttn anaannattc nttgnntacn actggttnat ttntnnaann aaaaatgtta 660
nnactntgtn tnatnaattn aaanactnn tngctaana agngnaacnt aanaantctt 720
aaaaaannnt tncacttaa atnantacn ttaataaant ctaaattggg aaagtnaata 780
atctcanaaa nctnatntt ttttaaaacta tcttatatta atntgnantt tnaaaaangna 840
ttnaactnt nacaanaana aaaaaactn ganctntaan cgaatngttn cttttttctn 900
nngataaatt ntcgaanaaa atantnnaan ncnatantta aaangnnana tagnnaaaac 960
tnccataatn gttttcctan aaacttaaaa aatantnant tntncn 1006

```

```

<210> 1946
<211> 701
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(701)
<223> n = A,T,C or G

```

```

<400> 1946
ggctctgccca aggtgtgatt ggaaaaattc aaaaaattgc aacctcaggc ataaatggnn 60
caaggacatc ccaagcccaa gtggtacgtg cctcactcag aactgacggg ccgagtctta 120
tctaggtgtg tcttcagaa cctgtttacg gctaactgga taactgagag acttgctatt 180
tctaaagaca tttaagttgc tccagggatt tctgaaaaaa gacacaggct tcttcctaga 240
gccagcccta tataacatgc ccacaagggc aacagttatc acagttcata cacaccttc 300
atgtcctgtc tctcactc ctcacagcca tcttaggaga tacatattgt tttcatcctg 360
catttacaga aaaagaaatg aaaacagaga gcttaataa tttgccacag taatgtcgaa 420
actaggcctt tgaaccaagg cagtctaggg taaaatatag tttcaaagta tgaataagaa 480

```

```

ttggtatttg tgttatcttt gagtaagaaa ctgtccgata tgaatcacia cgtgggtgaa      540
tgtagtattt tcctgaagtg tgaaagactt aaaaaaaaga atcacattgt tcagagggtgc      600
tcaatggaaa gaaaaggaaa tgaacaagtt tggtaaaagg ataaaaata aaaaaattcc      660
atccttggtg nnnaaaaaat nctnnctct nnnnnnanc n                                701

```

```

<210> 1947
<211> 724
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(724)
<223> n = A,T,C or G

```

```

<400> 1947
gacctcgtga tccacctgcc gcggcctccc aaannnnnnt ctactggca tgagccaccg      60
tgacctggcca gcaattagaa ttttaacact ggcagttatg aataatatga aggagaggta      120
gatttctgag tgattctggt ttaaccagct ggggtggatgg tggttccacg tattcagggtg      180
gcaaacagga aaaacatgtg ttcgaagaag aatggaggta ggtggtctct taagaatggt      240
taagaggctt gggagtcaga ctgcttggtt ttgcacccca gctttgccgt tttctggcta      300
tcaaacttgt cagctattat ttgttgagta cgtactatct gatttatgac cacaggcagc      360
tgagcctcag tgttggtgcc tagtgtacaa gattgttaaa gaataaagtt attttgcaaa      420
gtgtaaccca tttttagcac tgacatagca ctgacagtag ctgctgatct cattatgggc      480
taaaataaga caatattcaa aggtcagaga tatcttacc agaactctggn tggaggctgg      540
gantttcang attttggttc caggaantta gacngaagga accccagang ggggncaggc      600
ctcaatttaa ggggttgaag gtngtggggg gtaagggaag gccaggacct tggntatnaa      660
anttatgttg gaaatcaatt gggccttttt aaaanccaag ggggttttat tgtcacgggg      720
gatn                                                                724

```

```

<210> 1948
<211> 1000
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(1000)
<223> n = A,T,C or G

```

```

<400> 1948
annnnnnnnt nnnnnnnntn ntannnnnna nnnnnntann nnnntacna natnantnta      60
nacnnnnnt ananntnnnn nntnnnnana tcnnnataa tatggggcan nannannttn      120
anannacct nnnnnngggg tntatcattn nntttgaaa nccnatantn aatacnatag      180
gagnaattcn cagcangnat tgaagaaaan gtancaggct gcacntntn ncanatcctt      240
ncgtgcnatc atctccangn antaattgaa agggccattc angaaacagc accaggnggc      300
tacaaattta cnggntncac tnggtgatnt gatcttntca tncancacaa tggacanaaa      360
gtctaaggaa cgtccttggt gattcctttg ggntcctgct tctntttaca gcctatggag      420
gtcttgcaag agcctgcana gcatccttgt acagctagga gggcctgggt gatnacancg      480
cctcagcacc ctctatggag gcatgctcct gtncctccatg ttcctccac cgtcctcat      540
cgaagagggt gggcttgnaa angggaccaa tcaatcctct tccaatgtgt ggntacgtgn      600
gacttcntcc gtgggcaaan tttnttcgcc agcntgggna naanttttgn antccacct      660
tcccataact tgcttngga actnngnggg cctgcncncc actttgtggg tctggcaaca      720
gnttgccaca ttacccttaa cngaattnaa cngngnnaaa accacacnat tgcttgaaaa      780
aangggccggg gaaaaaaccc ttggccaaaa caaacaattg gatggaaaac caagntnttt      840
ntngggcaat ctttacttcn tcaaaaanat ncaaatcaat nccgggttgg tgtggggggg      900

```

aaacntttga aactnanann cnttggtaat tttggccan aattccaanc naaaaaanaaa 960
ccctttcana aaanaacaan cttcanntat cttgttgggg 1000

<210> 1949
<211> 713
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(713)
<223> n = A,T,C or G

<400> 1949
ccnccgaatcg tnttactctg gaaagtagta gcagcacttc aaggacatag ggggttgctca 60
tgtcannnnn nnccgnttgt attggaagaa tcataataac aaatatttaa gttggtaaata 120
tactaggtaa acagggttggg ggattttttg ttatttttga gaatactttt tagtttgatt 180
ctttgaatga atttacataa cagcttttct gtcaagtcag taatttcacc catctttaaa 240
aaacaagtac caaaagagtt tcttaacacc atatactcct ctacgagctg ctgcctagtt 300
tctctctccc acaacagagc tccttaaaaag aatgcagttc cattttcttt tttccattct 360
ctcttgaatc cactcctcca gtgatggatg agattgcaaa tgtttgactc tgcctatcgt 420
attactcagt ctccggcaaca tttctttatt tagcttctgg gataccattc tagcctggat 480
gtagtcctat cgttggtgatt actccagtct tcgatgctgt ttcttcttct tcaccctgac 540
ctcgggatga gataacaaat tgtaataaag taacttctct ttttaaaaaa aaaaannnnn 600
nnnnnaaann nngannnnnn nnnnnntnn nnnncnnnnn nnnnnnnnnn nnnnnnnnnn 660
nnnnntnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nncnctcnc ncn 713

<210> 1950
<211> 700
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

<400> 1950
ccnccgntcga ntcggcacga ggcttgattg tggcttgaag tttgaaagga agtgccctgtt 60
tgnnnnnnna acaccaattg gactaacagc tgcctctgtg attaaggcca tctttagctt 120
gtcttgcaaa tactttcctt gttcactaat cccttctccc caccctgctt ccttttagacc 180
catgttaatc tattacctgg gagcagctct agattcttga gttggtaatg actaatctt 240
ccgttgctct catcctgttg agtttaaatg gctctctttt ttcttactga tgttttcatg 300
atgagatttc taataagtta tttgggagct atcagaatag aaactaataa atattatcta 360
tctattagct gtcagaataa aagcttactg agggctcctga actgtgaggc cactgaaggc 420
aggggttttg gtctgattta tctgtgtttg cctagagctt taacagagcc tgacacttgt 480
aactcttaaa aatattgctt aaaataaatc taaactcagg catggtggct catgccagt 540
atcccaacac tttggaaggc tgaggtggga ggaaggcctg ancctaggaa ctcaagggtga 600
gaagtgacta tgattgngtc actgcactcc acctgggtaa cagagtggag accctgctnt 660
tttanaaaaa ananannntn tnaaaaaaaa cccncccn 700

<210> 1951
<211> 710
<212> DNA
<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(710)
 <223> n = A,T,C or G

<400> 1951
 ccnccgntcgn aancceaaat caaagtgggtg atagtaaata tcattgcctt ggttctcacc 60
 tcannnnncc cgtttcacca ttaagtgtga tatagcttag ttttttataa atacttggga 120
 gtgaattttt aactgggtca tagaggattg ttggatttca gcaagtagaa atcagtggaa 180
 attagttctc cagacacagg gaagagacac tagtagtaaa acaaattggc tcctttggct 240
 atagattaaa gggagatagt ggaacacaca catttgctat gataaccctg gctcaaagat 300
 agaagattaa aaaaagtatt gatggggcca aatcatggag ataagacagt tgggaataac 360
 tcttctttca gcgctaggag gagaatggag ccaacatcaa cagaattaga gaagtcacatca 420
 agaaaagtta gttatgtgaa ggaatgcctc ttgtggcaat tttttaaaaa ttgcatttta 480
 tgatttgga ctcacccgctc ttaaaataat tggctcttag aaatgttgta ctgctactta 540
 gcagaaaatt cagggcaaaa gggtaaatgt gggatcatt tacatgttgg angacattgt 600
 atganaagtt tgaagaaatg tttgtataa aagataaatt taattctgct tctttggttc 660
 tgnagacaatg ggaattttgt ttaatatctt tgggncnttc ttttcaccan 710

<210> 1952
 <211> 764
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(764)
 <223> n = A,T,C or G

<400> 1952
 ccnccgntcct angtgctata aattcttctg acttgctgtg gctaatttat taatttaaaa 60
 agtannnnna nnttttctta ggctccttg aatctagtca ctctagagat agaatacaca 120
 atcttgctct gatgttttta cttgcaactc acaatcttgt ttggtgggtt agttgcagggt 180
 ttcagagatt agaccgtata tatctaaatg ctgggatcat gcctaatacca caactaaata 240
 tcaaagcact tctctttggc ctcttttcaa gctgaaggcc tgcctgacca ggggtataag 300
 atcactgctg atggacttca ggaggtgttt gagaccgatg tctttggcca ttttatcctg 360
 gtaaagaagc tgtgggctta ataaagctaat atttgggtgtg ataaagttcct gtaaagctct 420
 gggcacaggg cattattata gttgagcagc cagttaactg atttaatctc atgtttgagt 480
 tttcttggtat tgcatttgcc ttgttaattg gngaaccatg gaaaaacttc tgggaagctt 540
 tcctaagtaa ganttttttc tttttaataa aatgganctt aaataagttt tttggaattt 600
 aacaggaaat taactggcca aaagaataag taccaagaan actttttttg gtnttgcccc 660
 ctaccccccc angtttttcc ccntaattaa ttaaacatt ttcncattg ggtatgnatg 720
 ccattttggc cgaaaatagg atggaaatcc aatttcttgc ttnn 764

<210> 1953
 <211> 736
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(736)
 <223> n = A,T,C or G

<400> 1953
 ccnccgntccc ccccgctct cccgggagcg tcgccgccac ctgcacgcgt ctggcacaca 60


```

aacntnnnnn nntcccccta gtttctggaa gagaaaaagg aaaagccacc gagaggcctg 120
accctgaggg gtcgggggga gatgcgggcg cgtagtagag ggaagcgact gaggagcggg 180
gactgggcag catttgaatg gatgcgggtg ccgctggcac ccgggaagac gcctgggagc 240
cggcgctggg gagccgggca tgggctggga tgtgtttgga ttccaatctg ggctgacac 300
cagttcagtg acctcgggaa gttccccaac cctgcggggc tgtttcctnc ctctgaagtg 360
gcgacagtaa tagaaccgac ctctagggt catcgggagg tcctgatggg agaaccatg 420
caacttgcca ccacagagcc aggcccgcg cgactggctc ctggtgggta ttaaagacga 480
gtcgggaaaag aagagcaggc tcaatcaaac cttcaattgg ccccgaaaga cattttgatt 540
gaaaacctca ttgaaaaact tttgagccan aaaacccaac caactttnaa aacccanna 600
tnccttgacc attcagccac ttgngtgnaa aaaaataaaa atgnttngtt ggttttaacc 660
ttggnnnana nggnntcgn nacnttttna aanantntnn aaaaaaatnt tnnanaana 720
tttttcttct ttttnn 736

```

<210> 1954

<211> 698

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(698)

<223> n = A,T,C or G

<400> 1954

```

gaagcttanc accttgatgc ctgacaatag aaactatcca aaataaggca cagnnnghaa 60
gtggaaaaaa aggcaaaaag gaaaacagag cacagataat gtgagacaag gtcagatagt 120
ctttatgtat gtgtaattgg agtccccagg agatgtgaga ggaaaaagag ttgaaacaat 180
catagacaaa atatttcac gtttgatgaa aactatatta gttgtgtatt gctacctaac 240
aagttatttc aaaaatttag tggctttaa acacatcca ttatctccca gtttctctgc 300
gtggtcagc tgggccctct ggttcaggga ctcttcacac ggctgcaatc aaggtatcag 360
ctgaggctgc agtgatctca gggcttgact gagggagact gctttcaggc tcaactcgtg 420
ttattggcag gatttagttc cttgtgggtt gttggcctga cggcctcggc ttcttcattg 480
gctgttggcc agaggctgcc cacaattctg gatcacatag gcttctccgt agggcagctc 540
acaacatggc aagctaactt cattagaatg aacaagcaag aagcgccaaa aaaaaaaaaa 600
aaaaaaaaac cccctttaa aanatatagg gngtccctt tncnnaaatc ccncttgaa 660
aanaaccctc tgggggaatt tgggacacc cctnttn 698

```

<210> 1955

<211> 708

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(708)

<223> n = A,T,C or G

<400> 1955

```

gtagcacnnc nacagcacct tctcaagggt gaaaatccat ggagtttagt tactgttgat 60
ctgatggggc cttttcatatc aagcaacaga agtcatgtat atgctataat catgacagat 120
ttgttcacca aatggattgt gattttgcct ctatgtgatg tttcagcatc agaagtttct 180
aaagctatta tcaatatatt tttcttatat ggacctctc agaaaaataat aatggaccaa 240
agagatgaat tcattcaaca gatcaatatt gaactgtaca gattgtttgg cataaagcaa 300
attgtaattt ctacacacctc tggaaactgtt aacccaacgg aaaggtcacc taacacaant 360
caaagcattt ctctccaaac actgtgctga ccaccaaca attggggatg gatcacctat 420
cagctgggtc atttgccctc aaatggtaac tcacttgga acctacttaa aaaataccac 480

```

```

catatttttc caaaatgggt taagtccgaa aanccttat atggcctgga ganntttaag      540
aatagtcttt caatgaaagt nggaatgggn ggataaataa ccaanntatt ggttttngcc      600
aaaaaatctt taanaaggcc aatttaaaag gaaacctgga taaaantaat ngggaaaaat      660
aannaacaac cttncnctg gggcccaana tgggaanaac aancaant                      708

```

```

<210> 1956
<211> 707
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (707)
<223> n = A,T,C or G

```

```

<400> 1956
ccnncgtatc gccctgcana ttcttcttgg acatcattaa tggagattcc actgctgtgg      60
cattaancnn nnccaagact ttaaagccac agagatcata gaggcttcca agcaggataa      120
gccactcata gaaaaattag cggagattta tgtcaactcc tccttctaca aagagacaaa      180
agctgaatta catcaacttt ccgggggtag agaagaagct cttcatacat gaatacatca      240
gcggatacta cagagtgtca tcttatttcc ttggaaaact gttatctgat ttattacca      300
tgaggatgtt accaagtatt atatttacct gtatagtgtta cttcatgtta ggattgaagc      360
caaaggcaga tgccttcttc gttatgatgt ttacccttat gatggtggct tattcagcca      420
gttccatggc actggccata gcagcaggtc agagtgtggt ttctgtagca acacttctca      480
tgaccatctg ttttngnttt atgatgattt tttcaggtct ggtggtcaat ctcaacaacca      540
ttgcattctg gctgcatggc ttcagtactt cagcattcca cgatatggat ttaccggctt      600
tgcagcataa tgaatttttg ggacaaaact tctgcccagg actcaatgca caggaaacaa      660
tccttgtaac tatgcacatg tactggcgaa naatatattg taaacag                      707

```

```

<210> 1957
<211> 697
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (697)
<223> n = A,T,C or G

```

```

<400> 1957
gagaaagtgt tgcaactgaa aatcctttca aacaacagct acaaaagaga ttggtcagtt      60
aggacaggaa tagaaagtgg aaacttagaa gactggctac tccttgtgta tgattgctgg      120
ggtgagtctg tgctgagaac tttttacaaa ggggtgtcct tgctgatatg agaggggggt      180
gtcaaaacttt tgagtgatca ctgtgggtcc tcagcttaga catcttctct ggcccaagat      240
ggcacccttt gctctctttc catgggacac agggaccttg ccatccttcc atcttataag      300
ccttctgtca tgatttttac ttcattctag ataaccttaa tttgggccag gtctccaggt      360
tcctccactt tcttctgtcc catccatacc cctcaccaat cctctgtaaa ttccttttcc      420
aggattttac tggagaacca acagaagaaa acaggctggg gaataaacia acatggggga      480
ggttattgta agttaaacat acacttttga nnatccccct agnccatttt ncttgantaa      540
ttataagaaa taaaccnctn ggtaattnac nngggttaat aaagggtccc atggnagaaa      600
agccttttaa ttcctttttt ntgggaaan ccaaagaaaa anccacctg ccccttcctt      660
ttaagtcttt aaangggggg ngaaaacttt tatggggg                               697

```

```

<210> 1958
<211> 1101
<212> DNA

```

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1101)

<223> n = A,T,C or G

<400> 1958

ttttggantt	tggnnggctn	cgtgnaaacn	nttggaiaan	ccccgnnctt	tntggaangg	60
cacatnnngn	aanaattgga	gggnccggna	nncctttttn	attctccgtt	tttacccecc	120
ctgngnccna	aggtanttna	angggaccct	ntttcaagat	cgagccttnn	ctnnttttnc	180
cngaannncc	ccaangagna	ntcangtnng	caananggtt	ntnccacaca	cnnactggtc	240
nngcgngtna	nnngcnnnnc	ancananngn	ccttagcccc	tatccncngn	nnccctnct	300
tnntncacna	ccgcnnccact	tnnganntcc	cnntcnggcn	gngcacacac	agtgaangg	360
anaactagt	annacagccc	caggtgccct	tacntangan	nagantgaan	attantcnn	420
nntanncaan	aannaannct	ctggganngg	ngctgaaacn	tnanacnca	nccggngtnt	480
nganatngcc	cagaagaang	gnntcccnna	acnngcaacn	acanaaannn	aatggangnn	540
cntntcacnc	tantaaatag	gaaaatggcc	tattngctnt	tgggnccccc	tgatcnagna	600
antggnaact	naanccanc	tctctggaac	ggggaaaaaa	aancntcttc	gtaaaaggga	660
gantcccat	ganacnatnt	ntctgnaaag	cntntcgac	aacntnaggn	gtagattagt	720
acaagacngg	gagatngnct	ctntncatgn	aacancntgg	ggnaanccat	gtncctntcc	780
tnngtgaacn	anagnngggg	ntagccncta	nntcagnann	ggtcgcnenn	cncaancggg	840
ggctccnaat	gncatgtggg	tnnccntaa	ngtcggggn	ataatnncta	cactatacnt	900
ngtganatan	tcntcnctag	ntncagcttc	nnntacganc	catnactcaa	aanngccgct	960
ccccntncac	nnctangant	aaganggtat	ncnaganatc	natanntctg	actgggatnc	1020
gnntntcatn	gnatcttntn	agtaggnagg	nnnctatnat	atcngntacn	aatccngat	1080
ntctnncann	tatggaganc	g				1101

<210> 1959

<211> 596

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(596)

<223> n = A,T,C or G

<400> 1959

acntattgga	acncttggtc	tttttgcagg	atcccatccg	attcgcatgt	ggtgcacagg	60
tcggatggta	aatttcagat	ctttgcctat	ntagggaaag	ttcctgtggt	tgtgagttac	120
agacctgcc	ggggagtcct	gcngncngtt	accctgtntt	tggtaggctg	ctnttccnnn	180
tnnttgnnng	ntggggggcg	tncccccctt	gtgggggnat	gatgtctntt	nagatggetg	240
gctggctaca	ccgtgcacat	ttctgtctaa	gtgccttaag	agaggatcgc	caatccacat	300
gcttttcagg	gaaatctgtg	tgatagagaa	ctgggtacagg	ctttttgtga	cgctcctctc	360
attatgacac	gtggtaaaac	ttgaaccatg	agacagncat	tctgaaggag	tgtntancaa	420
cgaggngcaa	acttgccaac	gacacataat	gtgctgttcc	accccatgnc	agcctgtcaa	480
gatgtgtnaa	ncaacatncn	tgngtgngat	tctgaaaaag	acttacctga	ctttgactgc	540
aacttgctac	cacggtctga	ctgntnnacc	tnnagnntt	tgacatggag	aggggn	596

<210> 1960

<211> 777

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <222> (1) ... (777)
 <223> n = A,T,C or G

<400> 1960

nannccntntt	acaaactatt	gttctttttt	caggatccca	tncgattcga	attcggcacg	60
aggtcacttt	actctccatc	cggaccgctt	cctttctcgc	cgcgaggctc	ggggttgggg	120
ggggaccaga	ttggagccgc	gggctaactg	ggatccgtcc	catttccctg	ggcttgacgt	180
tctctgaatt	tttagcta	gtggaaagtt	acatttattt	gcatttggtt	atcgcttgct	240
cacataggtc	tgtgtcccga	agcttggcag	atgagcgaac	ttagccagca	cacccccggc	300
cgtgaagcag	ggaggtgaag	cggggagagc	aacgagcccc	acccgggtct	tgccagctgg	360
acgttcttgt	ggggcagcgt	tgagcagcgg	ttaggagtgc	cgtggacttt	ggattcaaac	420
agccccagct	cttctgcttg	ctagctgggt	gactttgggc	aaattaacat	ctcgaaaatc	480
tgtttcctca	ttcctaaaa	gcgggtctga	aagtgatcat	gcctgtaaag	ccatctcata	540
tccatggttc	tagaagcatg	gtgagcacct	caatttgaat	aatcagtgcc	atgcttttagc	600
tacctcttga	ctcactcgtt	tgtggcagga	aatgttccca	aattaatcag	aagaattcaa	660
tgactaagag	gatgtaatag	tatatagcgc	aggcactgga	atcaacntct	gctgtgtgat	720
cttggaacaag	ctgcttctgt	tccgtttctc	ttatctgggg	caatacctgt	ctgaann	777

<210> 1961
 <211> 1016
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (1016)
 <223> n = A,T,C or G

<400> 1961

ggnnnnnnnt	ttttnnnnnn	nnnnccnnt	ttaananntg	gggnaaaaaa	aanccccctt	60
ttttggccca	agaaacttnn	cnctgggtt	ttcttttttt	ttgggccc	ggggnaaacc	120
ccccnatccg	gggantttcc	ggaaaatttn	cggggccnac	cggaggnaa	acccatggga	180
accttccac	tggttaagn	cccttgggn	actttttctt	tgggggggcc	tnccaggggc	240
gggaatnccc	ttcccccaac	cctttcaagg	cncttccctg	ggccttagg	nntngggggg	300
ggnttncnng	gggncttggg	tgggcccacc	caacaacct	ggggcntaaa	ttttttgggn	360
tttttttttt	ttttngggng	gggagganan	ngggttttgc	nngngttggn	ccnngnttgg	420
nnnnnnnnnt	nntggggttg	ggggggnnnn	aattaaccgc	caggctctca	aagtgtctgg	480
attacanggc	atgagccct	gcacttgcc	gacattcaat	ttttatgaat	aaaaactaca	540
ttggaaacta	aggnggtatg	gtttaaaatg	tgtcagcatt	tnagaacga	ttacccttt	600
caaaagggga	gagcagggat	aattttactt	tttttgnttt	aaacaatcta	atactggtag	660
taacttttaa	aaaaatattc	ttaatagatt	ggctactatt	gcaggggtat	tatttgtag	720
nctggctata	ttcattcagt	taatcangga	gctgaaatta	tgagggtac	tatgtggagg	780
gagcaggga	ttttctgac	naaatgcttt	atgggtggaa	tacatttatg	aaagtaagtt	840
aatgggttct	ctgnccaaaa	tanggnagaa	gttcaaacc	atattttgga	gtctcgcatc	900
aagaaataag	gggatggagn	ggccactggg	gaatataatg	cagaaatggg	cttaaggaaa	960
aaagaagaag	ggggaatgaa	atggtaagtt	tggcctngag	gcttatacac	tatggg	1016

<210> 1962
 <211> 1259
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (1259)

<223> n = A,T,C or G

<400> 1962

anggggngnn	nnnnncnnnn	nttttttttt	tggnaaaaaa	aaaanccccc	cntttttttt	60
ggggaaaaaa	aaanaaaaaa	ccccncnng	ncccttgng	ggtttttttt	tttgtttnat	120
nnnggggaaa	aaggcgcccc	anaatcccn	gcaaattnnc	ccccacanat	ttcttcggg	180
gggttttaanc	cnngngnng	gggggggga	aaaaacttt	ngggtgtgn	ggnccttttc	240
aaaaaaaaaa	ccnccggggn	gttttttttt	gttngttnnc	ccccccctn	caaaagggg	300
aacgcncnaa	aanctgngg	ngnggggaaa	aaancncgat	ngngngcgcc	ccccgnttg	360
nttttccccc	aatnanggg	ggcncanna	aaaccncaan	gcnnnggggn	aaacntcna	420
cncaattggc	cgngnnaatt	ggttctggg	nggttntntg	ggggcggnana	acnagngnnt	480
tanttttttt	nnnccaaaaa	aaatttcccc	aanngccaac	ctnccctttg	ggaacnnntn	540
antntnann	caacttcttt	gggtggaaan	ctttnnanaa	nnggttccgg	ggaggacat	600
ttggggnaaa	tggaatntta	ccagccttgn	aacancattt	tctnnntntg	ggccantctt	660
tcnntnncc	aaaaccnccc	aatnctnnnc	ganttttnaa	aacctgtgtg	ggcaaatcnn	720
cagtngaaaa	ggaaccntag	gttcgganta	ttaccacctt	caangttttt	aaaatnccca	780
aatnaaccc	catttccttg	gggggttaaat	taaatcccaa	gggnccagga	atntttttac	840
tttttngcca	accggaant	cnanntant	tcnagccagg	ncttctttta	acttatataa	900
cccttcccaa	ggncnanggg	angcctgggn	ggtggttnt	gggactttnt	ttttnaacna	960
aagggccttg	tngccccccc	tggatngntt	nttattncg	ggaanccang	ggttaattaa	1020
aaancngaaa	ttgattataa	aaatggntng	gtctcctttt	gggcttggn	aattgccna	1080
ncaccncaan	ggngggggcc	antttttntt	ggntcaant	tcccttcaag	agaaaaattt	1140
ggacctncca	aaaacnagnc	gtttnaaatt	tttttgcnaa	ngaaacnaaa	aannnccatt	1200
gaangccttt	gggntccta	cnnacnnact	accannntgg	ggaagggttac	ccttttngg	1259

<210> 1963

<211> 1088

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1088)

<223> n = A,T,C or G

<400> 1963

gngcacgaaa	angganacga	ggggcgngng	nnnagaagga	ggnggggaan	gcngcnngn	60
ggaggggagg	aggnnggggn	gncngangnn	gcnnnnnnnn	ngagntggaa	ccgtaagcna	120
acncngcnn	ntgnaggagg	ncnccnaacg	cgccccnngn	cggnanggag	gggcccaagcn	180
naaanacnta	ggaaggtttt	tttngtncnc	anaaangaan	ggcngnngna	aagggggggg	240
gtgtatngcc	ccaaancnta	aggagaagg	ccttnaggaa	aggggagaga	ngnngncaat	300
gancaagaaa	ggnnccgcnc	cnanaagccc	gagggannan	agggggggaa	aaaaagantn	360
nggacaggg	nangacaggg	ggnaaanaa	naaaggngag	gaaaaanncc	nancntgggn	420
ggcnttcaaa	gannggtggn	nacccttang	nctggaagg	gcctncaan	ttggngngnc	480
ntcccaactg	gnaangcnan	ggnaanncca	cnngtncna	naaanaaccn	ggangngcgg	540
gtggcccnaa	nnnnnncnng	ncagnggaga	gccacaannc	taanngggga	acnaagggaa	600
nanntcggca	ctgtctgtg	nggggaggn	ggaaantncc	nntgggacag	ngggagggnc	660
cccncaatc	nnaanagggc	nggggnccan	aaaaaaaaag	gtnnngcntn	ggagancaac	720
aaantgggcc	atcaccancc	cngggaaaga	ccccancna	gncnnnggga	aaggcacnaa	780
agnaagggan	ggaatgccct	anggagggcc	cangnangta	cccaaaaact	nagggcnggg	840
ggcnaataat	ngagggggag	aaccccccca	nanntcttcc	aagttnaagn	aaaaaaagaa	900
nnngcnntcn	aantcccaan	ganggggcga	ccagagaaaa	tttggccca	gancttcacc	960
ggagaaacan	cgggggaaaa	ncgggntgc	gggnanaaag	aagttaaaaa	acnaacaggg	1020
gnngggggcn	cgggggggga	nnacaccata	nantgccggg	ncnanaagg	gagggcaagg	1080
gcnagggg						1088

<210> 1964
 <211> 762
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(762)
 <223> n = A,T,C or G

<400> 1964
 attctatcct ttaactcttg tctttttgca ggatccctcg attcnattng ggcnnnggat 60
 gcccgggcct tttggggggc cttttngncc ttttngttan annnnncccg gggggggggg 120
 nantgnaggg ttcctngggg ggccctntnt cctttctaan ttntntgaa nnccttgnaa 180
 angccaaaan tcacagggtt anaaangact tggntgntt tgcggcccag tccacccaac 240
 ntgcctnttt ttttganaaa cagttgaagc cttaacaaa ctcttgcttg aaggcagaaa 300
 gtccacntgt ntcccccaa ccatggnnnn cccccattgt tgatgccnnt tgtgacgtta 360
 ttggagcgcc agcttgatgat ttttgaagga accgacatgt tgggaaaaaa ccnaccagaa 420
 gctgtgaaaa ttcattgctga accctttggc aacagcgccg attcatggcc gaggcttgca 480
 gacacttacc ggattgaatg ctgagaggat cctggcaggt tttcaacca natgaagaaa 540
 tgaattgaaa atctgcaaga attgaattca aaatgcgatt gctattgggg cagcaaaang 600
 tgccccaagt tcaattcaga cnagangaga tnttgagaaa attcaaccgg gatttttaac 660
 tggccctttt cccgtnaaat tgggaacctt ncttctgtt aaagcaaggc cagaagcttt 720
 nantaacttt tccaaaanna aaccttttna naaatntntt tt 762

<210> 1965
 <211> 714
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(714)
 <223> n = A,T,C or G

<400> 1965
 ncnntcnant cggcgcggtg agtggtgaga ctgccttggg cgggttaccg ggcattgactc 60
 ttcnnnnncc ccnagaccc ccccttcccc ccgaactcct ccagcccgca gagttctatc 120
 tccaggtgga cgcttcagc ctgctgcccc cggagcagcc ccggctacgg gtgcctgggt 180
 ggtaagtgat gcctccgcc aggagccctg ctctgtctgg gtgagcatag cccctctgca 240
 gctggagggt agaacaagga agcctgaggt agagctggga gggagcatgg gtagccttgg 300
 atgggggttg ggtccttggt agctcttccc cagacaccat acccctttca ggaaccccca 360
 aagaggcatc gtgatgggtc tgccttccag tatgagtatg agccaccctg cacgtccctc 420
 tgtgctcggg tccaagctgc caggcttcct cccagctca tggcctgggc cttgcacttt 480
 ctgatggatg cacagccagg gtctgagcca actccgatgt gagacgtcac gcaggacaga 540
 taccgctcca cactctgctt tctttgagtt tttttaataa aaataatctc atgcggccna 600
 nnaaaaaatn naaannntt tnatnnnaaa nnnaaanccc tttnaaannt naggggggng 660
 nttttttcg tcacccccn natntaaaa anncttttg ggggtgtggg nnnn 714

<210> 1966
 <211> 691
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (1) ... (691)

<223> n = A,T,C or G

<400> 1966

gaggctccag	acagctcttc	tgtctttcac	caggctccaaa	caccagcann	nnnctcccat	60
gaaatatccc	ctttattcca	tctcaaatcc	ttacctatca	actccttgcc	cagagaacct	120
ggaataacat	atttacttct	agtctttttc	aatgcatttt	ccccctggga	gagggtgaggg	180
ggtggtgtgt	gtgtgtacat	gaaagaaaat	cagacagatt	gaccatcttt	gacggtaact	240
caaagggata	aatagatata	gttaaccgat	aaaaaaacaa	cagggtgaaac	catgatattt	300
catgtcttga	ccagattata	agcactctta	ggataaaaagc	aagggtgataa	cccactttgt	360
tcatgggtga	ttgaagtatc	tttcttagtg	gacactccca	tttcaccccc	tctcatcacc	420
tgttctgaaa	tacatgctgg	gaagttgaca	aacaagattc	tggtaatgtg	gagaagacag	480
cggttcaaat	aaaggagaaa	atttctctgt	anttctggga	aaactgaaaa	tattcagtag	540
ataagccaaa	tgttcaattt	catgttgctc	ttatagtatt	aggtattcta	agaaacccat	600
attaatccat	cagaaaattc	aacatcaagt	ttatcaacct	gtttaattaa	tcaaccttat	660
cattcaatgg	nacatcacct	gagatagtaa	a			691

<210> 1967

<211> 972

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (972)

<223> n = A,T,C or G

<400> 1967

tnnacggnan	tnntnatnnc	annnanntnt	nnnnatnnnn	nnnnnnntan	nnntgtnann	60
mntantntan	ntnnatctnn	ntnatcnntn	nattnnannc	ntntctcac	tatancannn	120
ggnggtnnat	ntanntatat	anaaacnnnt	attggggaan	ttntctcttt	atnantcccn	180
nctcnaaant	cnnangaccn	nanntannan	tntgtntaac	aactacatag	gnancnnact	240
nacgngnnnc	aatecntnna	natcangncn	gncncaccac	tgncncttgt	acaacctttg	300
cagtntntcc	cggtatgtgg	tatgtggtct	ccgccnatga	ttgggcnnct	ggtcaggctg	360
gnatatncaa	atancacca	ttggnnatnt	gctngacccc	tggaggggna	anccaggaaa	420
ngaaactcac	ggncnnttgt	gatcatatgt	tentncnant	tgggaagact	aatcttggat	480
atgnccaaat	atntccnang	attcntctgt	cnaaattatn	cctngggatc	tgacctattt	540
cctgnaaaag	ggcgagcct	gggttttgaa	gttcaaaacta	gagttttaat	ncacatnatt	600
tnncncta	nccactgtaa	cnnctgngna	ccttcatnct	ctgaagcntt	nanntncttn	660
gttgtgnaaa	gcctgcta	tactcgatna	ntantggnac	atanaangcc	ncnngganga	720
gnnttttntct	ntgagtcagc	tttggnttnn	tgaacancctt	tcanttnngc	nattcncctn	780
aaacgtttat	ggcgctnann	antttcatna	aanttatatg	ggccaanncn	cnagtggnt	840
nacaaccttg	taatncncna	atcanttatn	gtgaaggnc	naaaacngnc	ttgantcaaa	900
cttgngggnt	ngnaaacttt	gnaaaaantn	nnntntaacct	aactnntgag	taaacctttt	960
tnntnttnat	nn					972

<210> 1968

<211> 685

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (685)

<223> n = A,T,C or G

<400> 1968

gtggctcgcg	cctgtaatcc	cagcactttg	gtaggctgag	gccaggagtt	tgagaccagc	60
ctgggcaaca	tggtgaaacc	ctgtccttac	aaaaaagtta	aaaattagcc	gggatgtgat	120
accttggtgc	tggtgtccca	gctacgtggg	aagctgcggt	ggaaggattg	cttgagcctg	180
ggagatcgaa	gcttcagtga	accgtaattg	caccactccc	ttccaggctg	gaggacagag	240
caagaccccg	tctctgaaaa	taaaaaaggg	cctgctttag	gtggctcaca	cttctaattc	300
caacactttg	ggaggctaag	caagaaaact	gcttgaacgc	angagtccac	gatcagcctg	360
ggcaacatag	tgagacccca	tctccacaaa	aattaaaaaa	tcagnctggc	atgggtggccc	420
acgcctgtat	gaggtgaggt	gggaggattg	actgaanccc	agggangntt	gaggctatat	480
gtgaacntg	ttcacaccan	ttgcaacttc	cancttggg	caaacaganc	cgaagaacct	540
gtcttgaaaa	caaaaaaaaa	aaagcanttc	cggntgggaa	nggaaattng	cnttcannaa	600
aagnaanaaga	ccgtcgggga	agaatccana	tgggtttggt	aaaagaaaaa	aatgtggncn	660
nncanngtta	cnnnnaaacc	tangg				685

<210> 1969

<211> 1376

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1376)

<223> n = A,T,C or G

<400> 1969

acnacnacn	aaatcntcta	anaacttacn	aanatcnttn	aaatcnttac	anaannnant	60
ttatntaant	tctanacat	taacactana	ttacnaaatt	tcnaaaacnc	tctctctata	120
nanaatnatt	ttaanntttt	tanttccaan	nggggggtatt	cnaccatcta	aatntctaan	180
tnantatcat	attcgggggg	ncaanaaat	aattatcttn	actaanacac	acctatantt	240
atanaaatct	ntnacannnc	natnacnct	anacnntcat	aacnnattct	atatacatat	300
acantancta	atntaatacn	tacattaatn	atnnttncnc	nttactttca	aanntatttta	360
nnacttttaa	tanncatcat	cantactcac	ncnttctact	cattctanac	natctanncc	420
nncttttaaa	natttatttn	ncttaccatt	ntatataant	ntnttnannn	natntattaa	480
tantatttta	tntnnacaaa	aanaatctct	atttanannt	taaatnattn	gntattanac	540
ttnantcnna	aancncnttt	ttntatttta	anctaacnnc	anncncttcn	tatncattna	600
taatatnnat	cnancctctnt	ncacaatata	aatatncttt	tacannntat	tnatatntan	660
nttatnantt	taatcnnnnn	tctntcnttn	tacnancac	nananactnc	attcttaact	720
ntancactat	tatntattat	caatntanan	tnctcanana	tacaatnatn	nttattnaca	780
tanctaanta	aatnataaca	aantcatata	tnttatatct	ncatcttaa	ancccttant	840
actctatata	atncttgtct	ncatntatac	tttantctca	tcnctcataa	tgcaanatct	900
ctatattatn	tntatatata	cntctaccct	actatangct	tacnatatc	ntantatnta	960
ttnttatant	acttaantct	angtacatat	ctctatatac	nncctatnna	tatatactct	1020
catcaattac	tcactcttact	ntatatcnca	tntntataaa	aaactcacat	attacncnct	1080
tcnctatata	atananatat	atcctcgtct	atcatanata	tctattantc	acctttacct	1140
tncatatnan	cctctcatct	ctcncnctnt	aacntanac	atcngccata	nttttatant	1200
nnaaaaaacta	aatacactat	tcaaatttat	nattnanact	acttatatac	tattacctac	1260
tntnaacact	ttnnacacct	ctacatntat	ntaaaattcaa	tataccctat	acnatanatat	1320
acttatcnnc	tcaacttatn	ttntctact	attnttact	tncaaacant	ttttnc	1376

<210> 1970

<211> 618

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(618)

<223> n = A,T,C or G

<400> 1970

agnnnnnnnaa	tatttgaaaa	gagtaattgg	tttgaagga	gacaaaatcc	tcaccactag	60
tccatcagat	ttcttttaaaa	gccatagtta	tactatagt	ataaaaacct	gtgctacaca	120
tccattttctc	agcaacggct	cctaggataa	tcaatcatgg	catactgcta	atgccttgat	180
tgacgtgat	atggaggaaa	tatgtttact	cttttgctaa	agtgaagttc	actgcggagg	240
tgcaaatggg	tcatgtttgg	ttagaagggtg	acaatctaca	gaattctaca	gattccagggt	300
gctatggacc	tattccatat	ggactaataa	gaggacgaat	cttctttaag	atttggcctc	360
tgagtgattt	tggtttttta	cgtgccagcc	ctaattggcca	cagattttct	gatgattagt	420
aagcattttat	tcttttgact	tgattattgn	ctccttttca	tgtgaattta	ttactcccggt	480
tgaaaccggtg	tactttacaa	taaactattt	gctnttcena	anaaaannnn	nnnnnnnnnn	540
nnnnnnnaa	nnaaaaaann	nnnnnnnnnn	nnnnnnnggn	nnnnncccc	ccccccccct	600
taaaaaangg	ggggngtn					618

<210> 1971

<211> 796

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(796)

<223> n = A,T,C or G

<400> 1971

ntgttcgaat	tctgnacnaa	gaattcaagn	cagcacgtat	gtagcagatg	atganntcta	60
anctggatga	tacntaatga	ngtcagattt	gnaatctaac	ttngnggctg	tgnttaggggt	120
gcaaggagna	cttccangac	ctatactcna	ggcgccctgg	gtnnantaan	gnaaacnnnc	180
tncntaaggn	tgccccccac	gtggggagggt	ggagttncng	aattattctg	tgcgctaccg	240
gccgggccta	gacctgtgct	gagagactga	gtctgcatgt	gcaccgggtg	caanaanggg	300
gnngatcgtg	gccncacntg	gngetgcaag	tcttccatga	cccttttgct	tggtccgcat	360
cctggaggcg	gcaaaagggt	gaaatccgca	ttgatggcct	caatgtggca	gacattcggt	420
cctccattga	cctgcgctcc	tcanctgacc	attcatcccg	caggaccccc	atccntgttt	480
ctcgggggga	ccccttgccg	ccattgaaac	cttggaaccc	cttttggcag	cnttcttcag	540
aagggaagga	acanttttgg	gtgggggctt	tttgggancn	tnntcccc	accctngcca	600
ccaaccgttt	ttgttgaaang	ccttccccaa	accccgggca	aaggccctg	gggatncttt	660
tcccaaaatg	gccttcaaaa	aaangggccc	gggggggaag	naaatncttt	caaaccgttn	720
gggggnccca	aaaaaggcca	ancnttccgt	gggtggcct	tgggccccc	anacccttt	780
gttttcccca	aaanaa					796

<210> 1972

<211> 681

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(681)

<223> n = A,T,C or G

<400> 1972

ttatcgaata	agacacgagg	gaggatgttg	ncannnncta	ntcgggaggc	tgacgcagga	60
gaatcgcttg	aacctgggag	gcagagggtg	cagtgaagctg	agaccatgcc	actgtactcc	120
agcctgggca	atagagcgag	attctgtctc	ccaaaaaac	aaaaaacaac	aacaaaactt	180

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gctaccaccc agggattttc tgctatttaa aagggtgaatt tcttttctgg tactaaactg      240
tagctgctta acttagtaaa ggctgtgttt ggccaggcct gtgccagagg ctcacctgga      300
gtgctccacc cactggcagg caagtcctat tcctattcac ccaggatccc caaggctggg      360
ctgggatata aatgttggga taggaaagaa atatttcctt tttagaggaa agcaagaaga      420
aacattgcct gaaagggtgat tttctagtca tttccaatta gtacagaaat gttactgcct      480
ctgggtgcag tggttcacgc ctgtaatccc agcactgtgg gcggatcact tgagcccagg      540
agttttgaga accaacctgg gccaaatgg cgagacccca tctttcaaaa aaaattttaa      600
aattacctgg ggcattgggg gcacacacct ttattctcaa cttcttcagg tggctgaggt      660
gggaaggatn cctttgaccc t

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681

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<210> 1973
<211> 666
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(666)
<223> n = A,T,C or G

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<400> 1973
tttcattcgc acgaggcaga ctccgggttaa aagcgcttaa tgcaacattc agagtgaata      60
acccagacaa gagatttact gaccttaagc actatagtga tgaactgcag tctgtcatct      120
cacatcttct tcgagtcaga gctagagtag cagatcgact ctatggtgta tataaagtac      180
atgggaatta tggtcgagtt ttcaagtgaat ggagtgccat agaaaaagaa atgggtgatg      240
gactgcagag tgctggtcat catatggatg tgtatgcac ttctattgat gatattttgg      300
aagatgaaga acattatgca gatcagttaa aagagtatct tttttatgca gaagcattgc      360
gggctgtgtg caggaaacat gaacttatgc agtatgactt ggagatggct gctcaggact      420
tagcatccaa gaacagcagt gtgaggaact ggtaactggg actgtgagaa cattctcttt      480
gaagggaatg actaccaagc tctttggtca agaaactcca gagcagagag aaccagaata      540
aagggtgctag aagaacaaat aaatgaagga gaacaacagc taaagtctaa aaatctggan      600
gcagagaatt tgtgaaaaac gcatgggctg atattgaacg cttcaaagaa caaaagaacc      660
cgagac

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666

```

<210> 1974
<211> 671
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(671)
<223> n = A,T,C or G

```

```

<400> 1974
tttcgatncc cagcagggttc tcccttatct gatgctcact gtggccttgg gcagcctggc      60
atcgagaatt ctgagcatgt tcactcttga gttctgtgcc tgcacacac agcaatggaa      120
cagtcceaaa agattcttaa ggggtgggaa aggcactaag aaaagatgaa cctgcagtcc      180
ctgttatacc atctggtcta attgatacta ctgttgtaa gcaaaaggag ctctctccct      240
gaggcactgg aagccaatat tttgacacca gggttttgag aaagaaaagt tttttattgt      300
aagttgactc acaagatgag tcaagctcaa atctgtctcc ctgtgctggt ttttaaggcag      360
taatttaatt ataaaacgtt taggaggtgg attctggggg tctcagggtga taggtagaag      420
gaaaggagag gtctggaaag tcttcaggca tgcacagttc tcttcattgc tcctcatgca      480
tcatgcgcac atttagtggg agtttgaaac atgggtagga aattcangct gtgacatcag      540
catgcttggt ctgtgcaaac tccatttggc catattggtt tcaaccaatt ttggccagtt      600
ttgtagangg agttttgagc atttcaagaa agttatttct tatctgctgg tctgnaaatc      660

```

ataatctttg n

671

<210> 1975
 <211> 668
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)... (668)
 <223> n = A,T,C or G

<400> 1975
 ntncgaatcg nacgaggtat taaataagat gtcttttaaac agaaacacac atatatgtat 60
 tgattgatta atgaggctct caggaacctg actctgtgtt tcccctagga gcagtgtttc 120
 agtattcact aatcgagtgt tcatgggtgac tttatagaac cactgcaaat agtgagaatt 180
 aactatacat atatgtttct gtgtgtacgc acatgtgtgt gtatgcatac ttgtctctaa 240
 acatatggga ttatactctg ctgctgtttt gctctttatg tcattatgta tactatataa 300
 gtatatcttt acattataat atgtgctata tattaataaa tttttttaa tgtattaata 360
 tctgctctta ctgagagagt ttccagcctg ctgaatagtc agttttacag tactagctaa 420
 accttctttt cttttttttt tgagatggag tctcactctg tnttccaggc tggagtgcag 480
 tgggtgtgatc ttggctcact gcagcctccg cctcccgagt tcaaacaatt ctctgcctc 540
 agcctcccta cagctgggat nacaggcgcg tgccaccacg cccagctaatt ttttgnactt 600
 ttagtaaaan atggngtttc accatgttgg ccaggctgnt cttgaactcc tgaccttggg 660
 ganccanc 668

<210> 1976
 <211> 834
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)... (834)
 <223> n = A,T,C or G

<400> 1976
 ccctnnnctg nnntnnctta tcgctaaant ggtngntctn ttnaccnctn tgnnaatnag 60
 ncntttctnt tcnctnnctn ccntctnctn natatnnatg nctgtcgtgt cttnataant 120
 atnttataat acnnaanntt gntcgttgn ctcttgacca tgacttccct gcncgttcag 180
 ctntntnctn tngtgaaatg ggaanagacg ctncnacaa gtcaataana gangctatgg 240
 tgaaatgtaa aaattcacia ttctactttg tttcactgag ngcccaatca acgattcata 300
 cagttgagat gaatgtgaca aaactcttta tagataaata tatatgccta agtttatcta 360
 tatatatatg tctttgtgtg tatatacata cacagatata tgcaaagaca taaataatct 420
 tccttaciaa acatcaatag atcattttca caggggaataa gagagtacac acatagcctc 480
 ctatgttggc tctgagacat ctaaaaagca agacagagag cattaatctt ccattcaaaa 540
 atatatccct atagaaaact ttttgagta tattgtctct tgggtcaata tatagcctag 600
 tcaaaaactta tttatatgtg ctattaaaat ggcaaagggt ttttggtttt ttttcccttc 660
 cctacaaatc gagttgacat tttatcagca tatcaaaagc ctgtttaagg ttaatattn 720
 gnctaaagca nttaaattaa aaaaagcagc ccaaacccat ggagacttaa agatttncaa 780
 tgnntttanc ctcttggatt nagcacatnc natagaggga cttgttgggc tttg 834

<210> 1977
 <211> 1366
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1366)
 <223> n = A,T,C or G

<400> 1977

atttactgat	tttcggaaaa	atthttcccg	tttngggcct	tggtnacnga	acntttggnt	60
ctntgggccc	aaanattaag	cccccccaat	tnctttttgc	ggcgcnactt	tgcttggcna	120
cctnttgnaa	agagnnncng	gaaancgaat	nttcacatca	agagntatat	tatnnntnaa	180
anntntaatc	tatnngttat	annntatgat	ataaatgggg	gggggggtgat	atthtttnaa	240
gatgnagtgn	tcataannata	ctgctctatg	agtttnntaa	tatatatcga	tannaanata	300
tntgatgnta	tataaangcn	atnntnnact	anaaanatac	nanacnntng	tnanantatt	360
tgtantagcg	aanttnatga	nttagttnac	ngncgnattt	ntncatatnt	cgnctnatat	420
naannacata	natntcatnt	naacattcgt	tactatgatn	gtatatatnn	ttgtaagact	480
natntanntg	anannntncc	nanttctnta	gtttgtgata	nattnantnt	anngatctan	540
ntcgtttntn	tatacatagn	nanacnancg	tgaangacna	nnntannnta	cgantacnnt	600
aattatatna	ntatcngatn	tatcnttgac	ntnnnnnatat	acncnatcga	acanagtatn	660
nagtatatat	ctcaannntt	annattntan	gacagtgtaa	ccgctntnac	aactntaaan	720
ctngtacatn	atntntttta	atcttngntg	gtntntnana	actntctnat	annntacgca	780
ncatactgag	tntatgtgta	atntantnta	cttntctngta	natgataana	tagtatnacc	840
annnanaatc	ttncanatta	atctctcnat	gtngatanac	gcntatactc	ggnttgccgcg	900
tatnnataac	nactacttat	aacgcnnaca	ttatatattc	gaanntcnen	nananataan	960
tancannctc	gtntcnctnt	naantanatt	ngnnatnnnc	aatacanann	nggagncnna	1020
nnaattatga	cnaannntnn	nncnagtngt	aatagtcnat	actncttnta	atnntacnnc	1080
aacnncgatt	attnaacnta	nngttanttn	atacanmnaa	aaaaanntcc	ntaanctana	1140
anagnnnaaa	anctgnnnnc	gaatatnnan	nnatnannna	nnaannntnt	gntaanaant	1200
nnatataant	tnactnatan	nnnannaana	tnganatnaa	atgacnctg	annnaattga	1260
tagtcatata	tctanannnt	gtantgaatn	aantgtataa	cnngnatgat	nnggcnaana	1320
ctnnantann	annnnanagc	ngagananat	ncngnataan	tnccng		1366

<210> 1978
 <211> 1369
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1369)
 <223> n = A,T,C or G

<400> 1978

ncgagganat	attncggccc	gnggtccgag	gcccgatggt	gggggnnttg	ggnggtcctt	60
nttggnttgg	gngaattggn	cccggnggac	accctccnca	tcncccaat	taaccggant	120
nnccccaat	cttaccaatt	gggnggaaaa	gacccccccc	aannggantt	cnactnaaaa	180
aaatatcgct	antgctcagn	caaatccact	gnnnananag	atnaagcgng	nataaanatca	240
cctcatttct	gngggggggg	nnenctatnt	agtgtgaaaa	cacatnnctt	cncatcagta	300
cccactcanc	antanancan	tgtngacaan	caagacgtcg	aantnatann	gtnaaaaanaa	360
atcnaaanaa	aantaaaaaac	cnaanctcac	cmnnanantg	gtaanaatct	atnatatacc	420
atnctcntnn	tattatatna	tntannnatc	tannaanac	naccctana	ntannctgan	480
ntatnaaaat	nnnaatatnc	aattanangg	naaangcatt	anattnaata	tcncannata	540
nanaatnata	acnnngctaa	aaatctatcn	gacannatgt	ctanaatctn	attannctta	600
aaactagntc	ncatnnatca	tnntctcant	ntgtactata	nganatnata	gtnannatna	660
canccttnat	acancaaata	nantatctaa	ntaanatanac	caataataan	nantntncan	720
natgcncaaa	tatacgnnca	gagnacatct	tanantnctt	atccattntt	canatcanac	780
ananaccnta	tcnactatcn	ncannctcta	naccacacat	antacgtcta	taaacacnat	840
nncacantnt	attcaanac	nctgtnnnan	atthtatnnac	anacntnttt	tcataatacnc	900

taatngaata	nancanaaat	ntaatgtaat	ntatatnaac	aaacagancn	cgtnagatc	960
ncactacttt	cagtgnttta	aagcttnnat	atannatcag	ataaatacgc	tcatcactat	1020
aataatnaaa	naaaatatca	cncacgtnta	tancaataaa	cttnnnnatt	caaaatcgc	1080
nacgcnnttc	ttctctatta	tatnnaaanc	atancatnta	ntananacta	tatntancaa	1140
tantcatana	ntntnatann	gatanatata	gcaatacatg	tnaacnagca	natcgngnaa	1200
tatnncaaca	ntncaatata	taatatattn	caatcnatna	gtnaacnant	attnaacgca	1260
annaanatag	aantaancna	ntaacgatnc	aanaanngtg	tattnataaa	aattntctata	1320
tataaacnta	gnnnccctan	natgcctnct	nttacactac	catcnnacg		1369

<210> 1979

<211> 1382

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1382)

<223> n = A,T,C or G

<400> 1979

nttnnttcgc	ccccctaaat	cccatccccc	acccttggtt	aaggnaaatc	nnctcatttt	60
tcatnctttt	ccccaggtt	cttnnagatg	tgccacaaat	caacccacnt	ntggntctnt	120
acttaategn	gaaaaactat	cttctgtgca	aacgtntatn	cccggggngg	ggcggnnatn	180
ttttccacna	catnacatnt	actatgnana	tcancgctc	anannnccac	gtntcaanat	240
gcnetgtaac	tnngctctnn	cgcnctancn	ncacncctnn	ncacnategn	cacategcca	300
ctcgaanctc	tagncncncc	ctnnncntc	gcnnntnnc	gtccnecgntc	nnnnancggn	360
nnctctcnca	ttcgngegan	antcttnccc	ccnctttnct	ccgtatnacn	gccnecgtcg	420
annagnance	gtncnecgnt	gacctnannn	tctccangca	gntccnncnc	nnnttggnnn	480
tgteccnnnn	cgancnngnn	tegnnatcnt	anntcattnc	nncccntage	tnnnncgccc	540
ttcgtgnnnn	nnncgctnnc	ntcnattnn	cnatnacncc	ntncnncntc	nttatnctn	600
tnecatgctc	acnecgtncn	ntcnncntc	cntegtnatc	acnecgtncac	tcnngannct	660
caccgcnact	cggngetnan	accagcggnn	ncgttncnna	tacgatnctc	cctccntnac	720
natcatccnc	ncncccttcg	cgctngcaag	tnccgncatc	ttncacngnn	ctcanntcat	780
gcgtctnnan	anactnccg	cnnnntcccg	cctctcntnc	ntcatctctc	annaatgcgc	840
mntgatctc	ncnncnctc	tctgatcgcc	acagtctnan	nnntcngant	ntcgtncntn	900
tatncnattg	cgtegcatac	nnnncanagt	cgncacactc	ncgcacnact	ncnctctnct	960
ntccacngcn	gctncanath	cnncnntnn	antcgttnnn	ntcttatcnt	acnnncgca	1020
ctccatcnca	cncgttcgct	acgtctncaa	tctannccct	cnccnctcc	nacncacacc	1080
ncgtctcngn	ntcnctcac	ncngcaactc	caacnecgnc	nnatcaecgn	cnatcgccat	1140
ntccgtanac	ancnctncn	cangnttneg	tctctnctc	ctnecgcnng	ntaccnctat	1200
ncnncatacn	ntnaactnct	ntnccaccan	ncannccncc	gntctctctg	cnnatcanct	1260
nctntgtgcn	ccgnnncnnc	teccnctnct	ntcattncan	ncnctacctg	ccgnanttcg	1320
gcaaattttt	cnntnncacc	aaantgctcg	catcgacnnc	gcancacca	cngcnntatc	1380
cg						1382

<210> 1980

<211> 1431

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1431)

<223> n = A,T,C or G

<400> 1980

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nnntnccnan gcacanaaac tnnactcaaa cantancntc tactcataat antntacnng 60
ntantaanac nccctcatna nannatttan antnttcant cnatatntgc aantcatatc 120
ttataanata cncaaaaagt tnaancangg ggagaanage tcanaagccc ccttcantna 180
tnataatatg cnnatanctt tnaccaanta tatatnnctc tanancaact cnnntntcnn 240
ataagggggg nnttntaaaa ctnccttgnt cgcannccca tgacctnntt atcnnttngn 300
cnacnancct ataanactct aaaactcanc ntncnatan nnttntata natncatnnn 360
atatanntat ctanctncga tatctngncn tncagtnnat ctaaaanatat ctencacanc 420
nnctaccnag tannatannt annntacat aacgnntntc tatctacctt cntatnganc 480
ncanatatat cctaantatg ctantatcac nantannata canacancga aatcgntact 540
cctctcactn actacanata tatacngctc atcatcntan cctttatacn ataanaacnt 600
ntatancana cgnanancac acacacntaa cacacancn nttntacna tcnncncnaa 660
tatnntgtnc ncttgtcact acncgtanan tcatntanac tcnntacngn tcacgncnta 720
ananatatat cnnnnncn cactcnacan atanntattn tncgaatnca ctctcnacac 780
aacacacatc acngctcata tattnacant atcactncat atattacact anaacactat 840
tcacatctcn aatncncna aatancngac ntcantnnn cnaactacnc tacactntan 900
tntatnttct nagtactaca cacaacnnag nncaccactn atacacatcn cncngttcat 960
gaaatatanc gatanatatc anagataaca tnactnannt cennatatatc tgnnnantca 1020
aatnatat ntccaaacgn cncntntaa nttntnacan gactnctctn tattntatat 1080
tantatncat ccccnactct antaactaca ntctacgacn actannatc cntnntnct 1140
atnnatnct atcncnnct canaanatat nagnctatna tatcncnct nacattactt 1200
tctacttcan ntatccatct aanactacta tatactannt tctttacttc nncnnncatn 1260
cntncnactt anaacnctt cataatactg tatcattanc cacagnnaan tnatctcnat 1320
gattncntcn atctntatat ttannagtnt annnnattta nncnnncan ctgcancgac 1380
ctaattatnn ttcnacttta attnctagan ataactctgt acatcnantc g 1431

```

<210> 1981

<211> 692

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (692)

<223> n = A,T,C or G

<400> 1981

```

tttcaattcg gacgagccna natggtgaca ctgcactcca gcctggctga tagagcgaga 60
ctccatctat aaaaagtaaa aaagaaagtc ttcagtgaag ggagattcgc cctatcagct 120
atgaaagcac agaggggagg aacatggagt aggggctgcc tgcagtcaga tctgcccctc 180
acaaccttgc cagggaaaca ggctcgtggg tacaaaaggt gtgtgcctca acttccctcat 240
ggaagcacgt gagattattn tataaccata gagtggagac agtcagtatg accaccaaac 300
ccaggagcca tatattaaaa tactgataaa tttaactata taaaaaaatt tttacagggtg 360
tgcaccacta tgcccggcta atttttgtat ttttgaaga aacgtgggtt tactatattg 420
gccaggctgg tctcgaactc ccgacctcaa gtgatccgcc caccttggcc tcccaaagtg 480
ctggcattgc aggtgagcc acggtgccc gcctgaacac cctttcctgg taaaacactc 540
caaaaccagg aaaagaagga atgtacagca acaaaataaa nggcccagtc tgcaanggnc 600
ccatggnttg aaaagtcttt caagtcattt taaggtggaa aaganttgaa aatcttttgn 660
cttccaagaa tcaaggaaat aangaaaaan gg 692

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<210> 1982

<211> 1397

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1397)

<223> n = A,T,C or G

<400> 1982

agagcttttt	tcggaaaatc	tnccgggnng	gncgggaagg	ggactannaa	gggcentccg	60
gtannttaag	ggaaccgncn	cagggttttc	cctttgggaa	tngggggnaa	gnccctnggt	120
taaaaaagg	ccccacnccc	caaccnaaaa	acaccaannt	ttctttaaac	cccnccaatn	180
tntntacctt	tgtttatctn	gggananacc	ttnnccangng	gggnggggac	tttggtttnt	240
ctttatagtn	acgngnnant	cccancatnn	cncaatnttt	ttnttttann	ctctcatnan	300
cgtcangnat	nnncananta	tatctgtgnc	ntaagnnnca	tatnncgcnn	tnangnagta	360
tnntanaggc	tgnnncata	gttgtnctn	gnntcgntta	agtcttntna	tcgtctcaga	420
ccantagntn	tntcatattn	nngtntannn	ntgacnntnc	ttnaanatnc	agnctcnttn	480
tttgngtann	ctttcngnan	tttgtantna	tctatntggn	gacnncgaa	ataacttgta	540
tntatagcat	atcgtaaaac	tttattnaan	ctnttnntta	antannanct	ntnnanttaa	600
anctgtntac	nnnttaatng	tnnttnnaca	ngaannnnca	ttanttgnaa	tcgcttgtnn	660
tnanccnatg	tntnnncntt	antttntttc	taccttttct	natttctnact	ctntnnactn	720
ttgntgtttc	atatacnanc	natgtgcnan	atctantgat	ctntnccgan	tattntntan	780
tagnntaang	nnncttgtn	ttaatncatc	tntcactntt	atnnntgntt	atcnancnng	840
ttntacntnt	cnntgtntac	nctgacnata	nngtcaanac	atctcnnttn	cgagcanatn	900
cggagtngtn	ctacnncnnn	ngnatatcnc	tatcatcnnn	cacgnncact	atngatanat	960
nctgatatat	cngcnagcaa	tcnancatac	ncgtagatct	cttgattnna	nnccngacaga	1020
gtctgtgant	cnnantgcnn	acnctttnnn	tnatnttant	cacacgnntg	cactnactat	1080
ntgntnatth	ntnaatntta	catcgncnnn	tncatttntc	cgntacnaat	atactcncng	1140
tcntncaaaa	ttctcacgag	ttangattgc	acnctatctc	tannncgtnn	ncgtctcagn	1200
ntacngatc	tttnangant	cntannnttn	cagtnttntc	cncgaanact	tnngntntct	1260
tatananact	nccnnnancn	atctngatct	ntctttatat	anacatntta	cacgtatgtg	1320
aannntctga	atatatntca	ttnnctcnen	ntaaccgaca	tnncatnttt	ntatantcac	1380
agaattannn	aatagcc					1397

<210> 1983

<211> 678

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (678)

<223> n = A,T,C or G

<400> 1983

cnncngtaga	cgtnntnttt	ttntnttttt	tggccttntt	tttttttttt	tttttttttt	60
ttttttaaaa	aaaannnnng	nnnttttttt	tnnncccnnc	cccnccccc	ccnaatnngg	120
gggggggggn	gnntntnaaa	ncnntctntn	ccccncanna	anaaaaaaan	nnnatTTTTT	180
ttctcnnnnn	tttncgnnnn	cnntntnenn	tnnaaaanaa	nnnnnnnnnn	cccccccccn	240
nnnggggnnt	tttnggggnn	tnaaaaaaan	tnnncccnnt	tttngggggg	nncccnnnnnn	300
nggggggggg	nnncnaaaant	tttttttttn	naaaaaaana	aanttttncc	cccccccnng	360
tttttttnnn	nccnnttttn	cnnaaaaaan	ggggggggna	aaaaaaaann	nnntnttttt	420
tttnnnnnnt	naaanannna	annnncccn	ccnntttttt	tttttttttt	ttccccccag	480
ngnnaaaaaa	aaaaagnngn	cccccnctnn	ccccctnngg	ggggggggaa	aancnctnc	540
nnnttttttt	tttnacnctn	tggggggnng	ttttttgnnc	ccccaaaggn	nggggggtgn	600
tnnttgnnng	ggnaaaaaan	ccnttgnggg	ggcncnaana	aaaaaaangg	gggttttttc	660
ntcccccccc	cccccccc					678

<210> 1984

<211> 970

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (970)

<223> n = A,T,C or G

<400> 1984

atategcaat tncaggtcta ttgatttget acatgcttaa aatgatagag gttgctcage	60
atttttggag tacaaggggg tcagcagaga catgtgatga gggnttacnn gtnatnataa	120
cccacacnnt nacanngtgt ccangctatt taaatgacna anacttcnat tcaacnnnan	180
tnctatgggt cnngtttggc ancatngctt gnnnnatgan aanatgntcc nctccgctta	240
tnatcncntn nctaattnc aagaggactt aatatctcan tatccctanc tnttgggtacc	300
cnnctngnaa ntncattntn cccatacnat ttgtncant tcnantccn tantnnccnc	360
agctnaacca cnaancnta ntantttct annnngcnnn aaaacttcat aannanttgn	420
antcanaccn cncntttcnc taantcctna nctgggggtcc tnnnnaccgc ctcatctanc	480
nncccggtatt accntttatn cncctctatan ctccgtcaac anaattctcn ntctnnnnna	540
aactaacncc tcatcanncc cccnactaca atncacntcc acnttctact ctccnttgac	600
atctactanc acctctnnnt centnatctt attctaaatt nccccanaaa nncgcgatac	660
ancctntncc nnanttcenn centnnccgc nctnctanaa aannnatatn tctntctann	720
ntnnnctaac atttctttnt tcnatntnaa acncnnanac tactnnaang nccancctca	780
cnntatnccc attactnccc ttctcatann natncccncc ctatancnca nacttanctt	840
taccccnctc tttaattntn tntnaagntn atcttnanta tantnccnagg cctatcgctt	900
acanaacttnc ttatatnaccn anccattccc naaattntnt cnatccaata centcnctan	960
centntaccg	970

<210> 1985

<211> 685

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (685)

<223> n = A,T,C or G

<400> 1985

nnrtgaaaat ccggcacgag gggttnnngan atgtncacnc cnttactgan aaancatacc	60
tgacngcaga ataaaccac atctactaag aggcctccat ggtttttact gctatcactt	120
tgattactcc aataatgaaa ctattgaatc tgtttcttag aagccaagggt aagaaagcag	180
agaatagtct gccattgaac tgatagcatc tgttttataa ttatctgggtg acttttctag	240
agaagatgta taaaggctgt gttgtttcat gtacaccaca cttgaatgat tgcttcttga	300
gttggattgt actccagtta tctatttctg tgtaacagtt cacctcagaa cttcgtggct	360
taagatgcct gttatgggta agatggagca aacacatttc acctgtcttt tctactgaac	420
tcagctaaaa cacctggcct agagcaacta tttagaggact ccaaaagacg tatcttaaaa	480
gttgactata gaaggagcag attttgaggt actggtgaac cagggtttaa tttatcttc	540
tcacctctct catatctctca ggcttcaaat caacacagcc taaaaccctt aagtgaggaca	600
ttaatggggg gataaagaag aactctanga aaanccttca agttctgggtg caaaagaatg	660
ggaaaggcga aattgnnaat actna	685

<210> 1986

<211> 645

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(645)
 <223> n = A,T,C or G

<400> 1986
 gatcccgaag ncccaagtga tccaaaatca aatatttcta aaagagtaat tggtttggaa 60
 ggagacaaaa ncnnnaccac tnntgacatc tcatcgcccg gagtnggtac agctactggg 120
 cctggcagat gtgttcacag tggaggagaa ggctggccgc atccatgcag tagaccatat 180
 ggagatctgc cattccaaca tgctgcgttg gaaccagacc caccctacga ttgctatcct 240
 tcccacaagc cgaaaaatcc acagctccca ccctgatatc cactgcatcc cttactctga 300
 ccattcctct tactccgagc ttcgtgcctt tgctgcagca ctgaagcctt gccagggtgt 360
 gccatttcta agtcggcgcc cctgtggagg ctttcaggac agtctgagcc ccaggatctc 420
 cgtgcccctg attncggact ctgtacagca atacatgagt tctttctcta naaaaccaag 480
 ccttctctgg ctgttanaaa ggagccgaa aacccaangn ggtggggttg 540
 gaatnccctg angaaaggct gatcaatctc aaaagaaggg ggactattgt tgacngnccc 600
 actgggaatt tcagtgcact taanggctac agatgaagag tttat 645

<210> 1987
 <211> 1215
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1215)
 <223> n = A,T,C or G

<400> 1987
 atttcgaatc gcaannntg gnacnaaaan gannttaatc tttcttcaan cnancgttcc 60
 ctgtgggaca agggatngna acnatntatg gcanatntng agagancaag cannatncaa 120
 nanntntgta ttnatnann tntaatatac acanaanaa nnantanana tnnntaanac 180
 ataaatcngg ggggggggaa acattttttt tntcananta naactcatan cncatttngn 240
 cgccatccat antntcgnnt ccaacgtctn attaantata ntganntana atctataana 300
 atatatcnat tagcatccac acatatataa anatctacat ctatattaaa agaattagac 360
 nanttcaata tacatacacn tatatnatnt annancatgt aatntatcan acnaaagaan 420
 taccatcggt atatncacan acanatatnt aactnctnta tnnanantaa nactnccnnn 480
 tnnaaataa ntatcatnnn tactatnann ncnancatca tannnctnta tatganntnt 540
 nnaanaanta nnnnattnnc aaatcantca ntaattaata nataattgna canacnaatn 600
 tttantanat caatataata cnnatactaa nntcannntc aaganannan nanttaacag 660
 aacnncctat atatanatcn anaaanatct antcgcannt naatcacent atatcatatc 720
 tatncatata acncttaacg tgnntcncn naacatncaan atctnttcan accacatcac 780
 ngacaacacn tcagacatat ggatctctta tcanacnntn aanacancta cnatcactcg 840
 atnataccac atntatanac nantnnatgn ataaacacnc tanatacnna aatcncacat 900
 acatntttan atagannnac agtnntannn ataacacaca ttaataattt attacnaatt 960
 acacagagan acntntcaca tancatanaa atctnaaaaa cncanntana natcatatat 1020
 atcacaacac acaccnatan catnnntana tacccttact cannctatac natatannat 1080
 nanananata actcataata antnntcat ctanncaaan cttaattctca ctatgtatca 1140
 anacnccctt tatagantac caacatatcc acacatantc acnnttanac tctctgntng 1200
 anacgtttt atanc 1215

<210> 1988
 <211> 1162
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(1162)
 <223> n = A,T,C or G

<400> 1988

nttcaancgc	anngannngc	tgtaatccct	cngtgtgata	cagccaattg	taaaagactg	60
caaagaggct	gacttatect	tgtataatgg	aaccnngggg	ncgtntnag	gatgatccnc	120
cccnncctt	ncnncnctnt	cttcttnngn	canaatccctn	ccaggaaga	tatctttccn	180
tggttaacca	ntcttcaaat	tannccangng	cancnnncnn	tatnaccnct	ttagcggcca	240
tctnctcent	atcnacctc	nnnncntctt	ngaantnntc	ctnanctcnc	ctctnctna	300
cattcntgnc	gtanngtnt	tngncnnaat	ancncttat	ntntccacn	tccnanantn	360
ggntcgnna	tncnctacnc	caatntntac	aatctgttct	gncctattct	acaancttgn	420
ttctctcaac	nanatctaca	acagtnccct	nggtgncatc	naccnnccnt	cntcaacact	480
tatacatccn	tcanacntct	ntannntact	ctcnntctnt	ctgncatnct	gtatcncntc	540
tcttctnctg	ntcanatccn	cnnnttcnna	tntcctctgt	actctctcnc	ccctcctgtc	600
tantgcgtat	cacntctacg	tanttcgtca	tacntctccc	actcncacac	atcgntctnt	660
tcnccacaca	tacnccanacn	gtcncccata	ngcncgcact	ctacatgcgc	ncctnctcta	720
ctntctnnac	tcgncatct	ctnnctcatc	gcncctccana	tctccttata	ncnccgcnan	780
nnntnngcan	ctttctcggn	ancactant	actcngagct	cttncnctc	tntangctan	840
tcactngccn	nnantcncct	tcgncacat	ctcnnatctc	acaccgncnc	tatnctgcct	900
gctcacgact	ctnacncana	ctnacacttc	catttgtntct	ctcnatnate	cctnccgncct	960
cngncncacc	tanattcnac	aancantgnc	ncttncnatt	tgcactatcc	tattctatcn	1020
ntntanctnn	antcccnnc	catcctnnnc	atctctccgn	nttacancnn	tcttnnanc	1080
tcatnggntc	ccgnttccct	ctntcactan	cttantnnct	cgtagacgtc	cctacgcnat	1140
nnntatctnc	ntnttttctn	nc				1162

<210> 1989
 <211> 1125
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1125)
 <223> n = A,T,C or G

<400> 1989

nnttcgaant	cggcggggag	gcaatactcc	anttngnccc	ccgnnnngng	acatcattaa	60
ataaaaagac	acaanatcaa	aancatattct	cccantatnn	naantnnct	ctannaatnn	120
ggggggngtn	tntttaaana	antaccaant	ntctccaana	ntctccaana	ngtaataaaa	180
cannatata	ctntctntanc	ctntaagaaa	tnccacanca	nacgacantn	ttntnccnan	240
tatnnnttnc	gttantncnn	ntnncagtan	ttcaaannat	tcatafnaca	atnanttnaa	300
cntacttntn	ttnttctna	ntntactann	anaacacct	atnttnatta	nttatatnta	360
ttnacnnnca	tnttntantg	actnnnntcn	caanatcana	nananacnca	ancncaagat	420
tatnntcent	cctantantg	antntacac	tnnaccnctt	aaacactcta	ancannnata	480
tcaanatctt	tatcactcta	ttntncaant	actttnaaaa	tacttctnnn	ataatatnna	540
aaaatctnca	tctcatccaa	canntatnnt	ntantcccc	tatncattg	tccttctctn	600
ctcnccteng	acnnctctta	ncatccnca	ctcatnnnc	ncntataten	tacananctc	660
annatatct	angctaatna	ncatatcacn	nnntctncac	ancacttctc	antatcacca	720
tatcatcaat	cnttntngc	gantnaacan	natacacnna	atnnactgaa	ctncatacng	780
atnccgccaca	ancactancn	cactnccnan	accntatca	tgntacnnc	ncgtcanatt	840
acatnctnat	acncaatact	nacaccgnac	actccnatcg	atncacttn	tncatcanac	900
tnntnccngt	acaatctana	catccaacna	ntacnnanan	nnactacann	ccnnacacat	960
cncgtcnnaa	cncacancat	actagnaaaa	ncatacnna	ctnnacattn	annangaccc	1020
atctnctnnn	actnccnca	tnatnatnac	tctnctnact	natagtcant	atatctaaan	1080
aaatccctan	aaanaaatcg	tatatnttctn	tatancacta	tnnncc		1125

<210> 1990
 <211> 670
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(670)
 <223> n = A,T,C or G

<400> 1990
 ntatcgattc ggcacgaggt tctcccttan canangctng ctttatgaca acancagagc 60
 ttgagcatnt tgagaaccaa ctttgcccaa gaatattgat tagtagtttc tgccatgggc 120
 acaggaaagg agaatttagc attttgtgtc tctgtgtgtc atacctgaat aagagtctat 180
 tgggtgcaaaa gagcatatcc aatagtata ttcataaaat aagtgcgcga aaatagtcca 240
 tgcaggatgg gcacagtatt tcaataaaat acaggtagtt aagtaaagg aatttctagt 300
 tgagtacata actgagacag aaaatatgtg catagcaatt ttaagggtatg ttaataaaaa 360
 agataaagaa tttactaaaa ttaaatgtca agaattctgc aaccatattt tctttgcaat 420
 ttaattttct gtattttaat ttcttgggat atatttatat ttggcagtat aggatggaat 480
 tttcaaaaac aatattgaaa agggctgggc atgggtggctc acacctgtaa atccccgcac 540
 tctgggaggg taaagcagag gattgcttga cccaggagtt tgagaccagc ctgaacaaca 600
 cagcaagact ctgctcttca gaaaacaaaa aacttatcta ggtgtggngg cacatgcccg 660
 gaagtcccat 670

<210> 1991
 <211> 1468
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1468)
 <223> n = A,T,C or G

<400> 1991
 nnnnngcnnt annntnntna antactatcn nacnnntcna nnacgctgcn gaactatnnn 60
 aanaganntn tncnnncacg acnnantant actaactann ncggngnagt natagctann 120
 agcgancctc ncntcantga tgntngacnc acnctncnnt actntcannc atacntaatg 180
 atcngtnacg ctaaacatta aatctnnnnn ccacntntan nnancgaaan ccggggggga 240
 aggttattat actaaagnag ggccccnnn ncagnaaaca cctctacaca tngnggnatn 300
 tgcattcgta tntatatacg aacngnaant acacgatatc natgaaanan atgggggggg 360
 ctntagagna nanngangtt ntcnngncnt ttacntagan nccngtcgna nantagnatg 420
 aantcnnnna agtnagantt gnnngnancn ntagnntnna nngnaatntc attnnntnnn 480
 nnganagnat aatgncgcna ntgtngcgaa tncnncggn cntcaaaccn anagnncngc 540
 ganctncnnn ngaccgcnnn aannaaganc tacaancgtn cgnggcacn cnnnntnaga 600
 tttcnaaanc gtgnancana anntnaactn aantatntnn ccggnnccgc aaatatgtan 660
 nanacntggn gtgggacaan tgcgnagaga cgtgtagenc antgctcnnn ggancnnnnn 720
 agatnatcgn ntaananaga ngancatacg gagganaacn anantcatcg cacgccgcgt 780
 gtacnaaacn cgcactntng gntgcaatac ancnnanann gtngtgcncn natanacgcn 840
 ganatagtgc tcaanacng ntgtatctat natntantat atgtncgaan angagananc 900
 aggtacnnan ncacngtata cgtcntagca caangaacca ancncgccnn cagtatenna 960
 accncnnnac anacgncgna ncaatcannc ntacngcatn cnacgnntnc gngncatata 1020
 tancngntca cgcanaagna acgacnagnc ngtngatgcy acgtngcncg cagcancnna 1080
 gaannncnnn natgctntcn nccnnacngc ngaaaacngnt nannnanaca nnnnnnnccg 1140
 aatgtctcnc ncnnganncc gnttannanc ganctatncn ngatncgcac nnnnnntcnt 1200
 naatctancc nntcgtntca tactnntccg anttggacnc cgctaacngt aatatanngn 1260

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actnecgnnca cgtncgncac gagnntnnan agcgcgncgc anannnctgc nnnancaagn 1320
canatcngca cantcnggnt ntcntgtcga tancncacan ncgtntcgt antcancnta 1380
tgntnntggn cactnagnant nncntcnaat ncgtancann caactancan nccccncnn 1440
cngnnacaac canncannt nncntccg 1461

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<210> 1992
<211> 1461
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(1461)
<223> n = A,T,C or G

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```

<400> 1992
gaanaacnta ngtnngatta atnggtgana anngcaaata ngcattggtg tganngnnan 60
ttngagaatg tatntntcgt ngtnataacn cacnngacga naactgtaaa tannnnntntt 120
ttntaagaga actganacan ancatggann cggaacnadc aagtannnga aataaantgc 180
gtanangntat atcantagca tanncntaaa tnnnnnnntt taanntntnt anaacttcgg 240
gggtgtntant tancccccana aacccccngc ggnggggggn angnannnaa aganatnnan 300
ttannacncn taaataactaa nnntcttggn nantccangg ggtntttnt tacaagatgt 360
gtggccaana annnncagan ttttgtnttt atagnntttt ngnattntnn tngtngatac 420
ntgtnnngant ggaanctann attgnangtg nntngaant nnanantnga ngnanagna 480
nncngnntna gtatggcnaa tgnattaaga nnggntnatn tnggaannac natntantcg 540
gagngnntgt antngggant nathtagac ggtnttctta tnantnngna nngnncantn 600
nanngatata ttcnattatn gcgaatgggt attanaaatt gtnttgatnt ntntnnntn 660
nntgatnnnn atgncnataa ntgcattggt cnanttnnac anangncana acnatantta 720
anttgnnnna tagtatacan anaancntgc nnatatgnan acaatanntt nncggaacta 780
tacagtntnn gccananttc atatgttggg acacttncgn cacnngtcta gntctataga 840
nanatcncn gggtgtgtat gagantnana gatcgcnnga tctncagtta tatgttnatt 900
accatnatan atagatnacg tacngcnaa atgtgatann tcatacaang agatcnanga 960
atnttgatnn tgnagntgtn tgattacntn ncnatactga tgnnagnaag ancgctncnn 1020
ataaacntgn nattangctn gtgatangng ttatgttgag ataacatant annattaaac 1080
tnacgagnat anttaaatat tancntttgt natantgnnn nnaaagngat cnnatanana 1140
ngtcngagta tactatacat gacggnagcn cantntgan agngatncag atgtatcngt 1200
gtncgncana ncancatcca atataaaaaan gttgatcngt cannnagcnc agtgcncgna 1260
taaatmntac acnctangn aacagatnga ttaactacaa natacacatc agantgcgt 1320
gcanatgcag aangtgcngg tcatcncggn agtgtatgtg natgaatc nganganac 1380
tactcantga agacgagatg canntnnnaa ncnnacatag acactcgga cgcataganc 1440
nctnctggga ntgaactnnn n 1461

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<210> 1993
<211> 679
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(679)
<223> n = A,T,C or G

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```

<400> 1993
tnatcnttag catacacct cagggagtca cagccttcca acgtccattc atggagccca 60
ggcctaaaac ctgtgatccg agaataggat aaccttttc tgcccatagg gtgttttcca 120
aagacctttc attgctctgg gttacgtggg aaacaacaaa acagaacat cccccgcact 180

```

```

ggtcagctgc tacgggtcac gccagggaaa agtgtggact gatgtatttc gttgtttacc 240
atgtttctag ccagagctaa tttgaaaata ggtatcccaa gaaccagact gcaggagtat 300
cccaaaataa aacattttat tataataata atgacaagga tggatatttt cttccatctc 360
aaaatttgtt ataatgcgat attcaattta tagtttaata aataaaaatt cttatctctt 420
acgaaaagtt tcttttagag ctgagctttg cttaaacatt tattatccat ctgctttctc 480
ctaatttgaa aacaagcgat aaagcaagca atttacatc ctaacagtgc ctaatgagac 540
agttttattc ttcagtcagt aaatatttat tgaacatcta ctgtgtgcca ggcataggga 600
aggcattaaa aagatcttgc tgattacagt caaaacatag tccctactct catggggatt 660
ttacaaccta aactcatgg 679

```

<210> 1994

<211> 701

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(701)

<223> n = A,T,C or G

<400> 1994

```

tnnntcgtcc ctaacgaggg tacctgggtgc ctctgactgc gcctctgcct ttgccgcctg 60
gtccctgggtg gttcaagttc cagaaagggtc cgaggggtgt aaggctccta gagaacctag 120
aggtcctctcc taggaacctt taaaaatgat accctgccct gcgttgagac ctgtgaattt 180
ctttgcatgt gaggggccag ctgtcaggtg gtcgggtgag ccagggcaga ccagggagcc 240
cagcacgcca tcgcgagggc ctttctgatg gcacaagtgc tagcogttcc tcctgcttct 300
ccgcccactt ggccatgtct gggaaaaggc tccccccagc tcccttgctc tccctggagc 360
accacgggca ggactctgac cggggatggg caggttgggg cattctggag aggaggtttt 420
ggagtgtatg gtgcagaagg cgttcagggg ggggtgaattt ccctgaaagc ctcaggcccc 480
agctctgggt ctggtccttc aactcttaag gcccccttt ntcatcttg aagaaaattt 540
gaactcaaac tcaagggttc ccacactggg ggggacgcca canttggcca gtntgccgtg 600
ggaggtcctt aantgggtgt ctgaaggggc tncatcgtc agaaaagctc tgcagaagcc 660
cctgncccaa aggtgtctgg tttggggcta aggtgatgcc g 701

```

<210> 1995

<211> 1227

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1227)

<223> n = A,T,C or G

<400> 1995

```

ananannana nannnnnnn angnnanncn annnnaana annannnnng ncnaangnnn 60
anannnnnnn annannnnna nnnngnnana gnnngannnn nnnnancnnn nannnacnnn 120
nnanngngn gangnaggac gannannnnn anngaangna ngngagggcc gangangann 180
nnnanacnnn ncnnnnnnn nnagcctnng gaaaaccctt nngnccaaaa cnaccccgnn 240
ncnnttttng naangggaaa acccaatcgg naanccccc nggggancng ggantgggna 300
aaaacggacc aaacaaaggg aaaacctnng aaaaggggcc ggaccggggg gggcncggaa 360
aancaccctn ggngaaatc ctgggggggg ngncggggna anaaacngga ggcccgggna 420
aaaaaaaaa ctgggactcc aaaacnacca cccgggaacc caancgggna ccgggccana 480
nntcggnaaa aggtaaacct nccttcccc aaggnctcc ngggnnactc nggcntngga 540
atgnctnnng gggaaccca anggggngg gaagggaagn caccancna agagggggaa 600
gggcncnaag ggggggaant ggggaannng nnnccaggg gaatggaaaa naaattnggg 660

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aggggggaaa aaaaaaaaaa tgggggggtn aaagaaangc cccaaaagga aanttggggg 720
naaangtaaa nggggggggg aagaaaacaa agaaaaangg gagcccnngg ggcnctnatng 780
gggggaaaaa gggaanntnn ggaaaanaaa aggggaagnc cnggggggaa aanaatgggg 840
caggggaaaa anncnngggg aaaccnnaaa aaaaaaaan gggggncnt ttaaaaagaa 900
aaccccaacc ntcccnnaaa anctccgtnn cccnaatcc caaaaccaa nagnccctggg 960
ccgggaccca aangnggcat cntnntnacc ctggcctnan caagcattat ngcccccaa 1020
ngccnccctc caaaaaacan ctggtncccc nggggcntaa agggcaaggg ggaaagnaag 1080
gggaanaaca anggattngg gggggaaaaa ggcnctnaag gaaaantgng anaangtggg 1140
ggaagaagga acaanctngg ggggcttngg gccaatgnnn aaaaaagaaa gggaacngntn 1200
acggaaacca tatcgggaga aaaaaan 1227

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<210> 1996
 <211> 764
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (764)
 <223> n = A,T,C or G

```

<400> 1996
tcaaattcag ctcnttgcc ntcnngagga tcccatcgat tcgtctggga gctgattgga 60
gaagcgccca agagtgtgaa gctggagagg cctgtccggg ggcactgaga actccctctg 120
gaattcttgg ggggtgttgg ggagagactg tgggcctgga gataaaactt gtctcctcta 180
ccaccacct gtaccctagc ctgcacctgt cctcatctct gcaaagtcca gcttccttcc 240
ccaggtctct gtgcactctg tcttgatgac tctggggagc tcatgggtgg aggagtctcc 300
accagaggga ggctcatggg actggttggg ccagggatga atatttgagg gataaaaatt 360
gtgtantgag ccaaagaatt ggtacnantg gggagaacng ataggagctg tgntattggn 420
aatgatnecn ttantggagn tncaatttnn gctnaangtn nngaactagc ttncgntggn 480
cctnaccnna naatgcntnc cnagccctcg gaacaacatc tgaagagcca tgtcccnag 540
gtccaccttc tgcttctgan gggggctccc gggatgaaca ggatggagct tcagctgaga 600
cagaaccttg ggcagctgca gtcccccnng aatgggtncn tattatncag caggacattc 660
acagcncagc cggaaaggtg aaaccgcagc cncctctgag tgatgcctaa cttanttggg 720
atgcctgccc agaaacccca gacgatgcat ggtganggcc ccct 764

```

<210> 1997
 <211> 731
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (731)
 <223> n = A,T,C or G

```

<400> 1997
gntcnaatat cagctntttg ttctttctgc aggatcccat cgattcgaat tccgttgctg 60
tcgttcccat tcagctcttg ggggtgaagc ttattcctga tgctccagac gatcaccatc 120
tgcttccctg tcattgacta cagaggacag actgtgaaag gtgtcgcttt cctcgcttgc 180
tacggcctgg tcttgctggg gcttctctca cctctgacgc ccttgactgt agtcaccctg 240
ctccaggcct ccaatgtgcc tgctgtgggt gtggggaggc ttctccaggc agccaccaac 300
taccacaacg ggcacacagg ccagctctca gccatcacag tcttccctgct gtttgggggc 360
tccttgcccc gaattctcac ttccattcag gaaaccggag atccctgat ggctgggacc 420
tttgtgggtc cctctctctg caacggcctc atcgccgccc agctgctctt ctactggaat 480
gcaaagcctc cccacaagca gaaaaaggcg cagtagagcc agctactgga gtcattccgt 540

```

```

ttccactcat tcaccaaac tcagggttct ccccatctga gccagcctgc tgggtgtgact 600
tactcatcct tcattcctct gnacttgag actttctgag ccaggggttt tcttttagtg 660
gaaacaaatg ggtgatggat ccagatcctt ngaaaaggag aggattgggg tanagtctnc 720
caagccaaaa t 731

```

```

<210> 1998
<211> 729
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(729)
<223> n = A,T,C or G

```

```

<400> 1998
ttaataaaact gctcttggtc tttttgcagg atccctcgat tcgcttggtt gggataaaact 60
tgtgtatgag gatacctgct tcagtaccat caagttaaaa gcagaagatg cttctggtag 120
agagcattta atcactctca agttgaaggc aaagtatcct gcagaatcac cagattatct 180
tgtggatttt cctgttccat ttgtgcctc ctggacacct cagagctcct taataagcat 240
ttatagtcag tttttggcag caatagaatc actaaaggca ttctgggatg ttatggatga 300
aatcgatgag aagacctggg tacttgagcc agaaaaacct ccacggagtg caacagcacg 360
cagaattgca ttaggtaata atgtttccat aaatatagag gtagaccca ggcatcctac 420
tatgcttctc gagtgcttct ttcttgagc tgaccatgtg gtaaaacccc tgggaattaa 480
gctgagcagg aacatacatt tgtgggatcc agaaaatagt gtgttacaaa atttgaaaga 540
tgttttagaa attgattttc cagctcgtgc tatcctggaa aaatctgatt ttactatgga 600
ttgtggaatt tgttatgctt atcaacttga cggtagcatt cctgatcaag tgtgtgataa 660
ttccccagtg tggacaacct ttncatcaaa tatgcttata tgantggctg anaggactac 720
taactagta 729

```

```

<210> 1999
<211> 689
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(689)
<223> n = A,T,C or G

```

```

<400> 1999
gttcaattcg angagaggag gcttgggtag tgcagatttg tgtatttcaa tctttgaaag 60
ctctgatgta atttagaaat gaaatccaat catgagtcca ggtagagaac gcctgctgta 120
atctacactg ttgctgggac tgcgcattct gtatataact gtgttggatg agtgacagat 180
gattgtccag actaggacag cggcatgaac atgacttttg ttgggattgc ggatagttag 240
ggttacctct gaatcgtgta gcttttatga gagcagctgt gcaagtgaat ccacattaat 300
gccttgctgt ggtgccattc ccagcgctg acgatacgtc cttctattgt cttattctgg 360
caggttttga cgttttaaat tttttaaaga aattttatc cttggacca aaggtttgg 420
taaccacccc cctcttactt gctttcacat tttgagtgtc cagaggaaac agaaaggaa 480
gagtgtgtga cgtttgctgc acgcctgact ctgtgagcgc ttcttttctg ngnatatatt 540
ttggtttatt tttttccggg tatattttta atcccagac aacatcatgt ggagatttct 600
tttaaaatgg gaattaaaac cgatttcttt canccctgaa aaaaaaang gtttttgaaa 660
aatngttttc cttgnaantt ttgntttg 689

```

```

<210> 2000
<211> 796

```

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(796)

<223> n = A,T,C or G

<400> 2000

```

cctcgattcg ggcgcgagacn nanngagaga ganngcnnga gagngagaga gngagagaga      60
gagagagaga gagagagaga gagagagana ganaganaga gagagagaga gaganantgt      120
ntntntnnnn gngnnagagn gnnacanncc ntcncncctc ctagaganct gncncnctgn      180
ccttggttta accnntaaat atanctntnt tctngtncct ggggtgantt ntcnacaaga      240
ccttggtttcc cennntcttt nctcngaaac engtctntct gcccctctnt tntccctenc      300
tctctctntg tgtctcacgc tctaaacnct ttctcgcgct tgttnttcgg tgaaanattt      360
antnntccat cttcgtgttg gtgagcggag cccncttttn tgectgngtc tctctttttt      420
tnatagnntn ccttctctct tcgaacnctt ctnccccccc ccttnaatgg ccggcttttt      480
tnttantnctn ntgggtgattn cccccccaac ggggaaggggg ggggnaaatn ttgtccttgt      540
ggctcctgttt tcttgccnng gggcttttna ncttctnngt cctcctcccc cccctggggg      600
tccannccan gggteccncc tttcccnctn tccngggccc cccccccnn gagaaggggc      660
ttctgggncn ccccttggtc nnncccccca ttaccccccc cgggnccttg gnttcttna      720
anttgcggtt ctttggggtc attgaaagcc ccccncccc tnttgccngt attaaggcct      780
tgngtttgcc cccccc

```

<210> 2001

<211> 1126

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1126)

<223> n = A,T,C or G

<400> 2001

```

cccnancnnn caannnnncan nnnganntng nngcannngn nanngggcan nnnnangnnt      60
cancncntng nncannnnan ncngacann ngcnaaaann nannnnatnc cgccancngg      120
ganntnnaaa ngacncncan nngngnnnnn acgnangngn nngcacgnac gcngcgctat      180
acganncaca nacncnana naanacnct gcgnnnngnn ccntacgat cctnnaanac      240
gcnacnannt nacnnncnnc nncnnaacna nggaacncgg nggngaagga anagnccaca      300
agggaccnnc ntgcggngca gtataaataa gannnnnncc agnacatgtt tntntacctc      360
tgctgtggga tnttnggggn cattactttg ttgatctact ttgtagttaa cctagagaag      420
ttaacacagc cattgtctaca gagctttcng ccncttgagt gccagaantc cataatccag      480
ttatccnang gattgtgggg gagnnaaaag aggnantncg ggcattggnn cnttgaatgg      540
ggagcaaata caagtccntt annngganaa gtggccnata aanngtctta ngatatnacac      600
cnnggectgt cantattata acatntanaa naaaaccgga ccaataanan antganccat      660
ntggaaaaac ttccttttan tttgcgaaaa canggangaa aancggttga cggaagaata      720
anaanaagng ggggtccaaa naaggggttt caacttgnnn ggaataatgn angtcgaagt      780
ttgccccanc nagggatngg aattaggggt gaaancgggn aatgcctgna aagnnggggc      840
caaaaccccc nnggnnaata naancctctc aagaaagcca tcnncaangg aannangggc      900
cntggngnga nanaanccan taggnanaat natgngngtg nagactaang ggggacnccn      960
tncgannagg gagnggtnaa gggntcaanc cgnctcgaa aanaanaggc ccctangggg      1020
nagncnctt aatngggnc naaaacnggag tcataaaagc cngncncaaa nnncnagaac      1080
nagcagcgca ngngaatan tgnccnnagg annantntaa accccg      1126

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<210> 2002

<211> 679
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(679)
 <223> n = A,T,C or G

<400> 2002

gttcgattcg gcacgagatt ataccctaaan aatgggatgc gtgtgggaca gcttttaaag	60
tgtttgaaag attttgcatt caacattcag gctatcagtg actccttgag tgaactatgt	120
gaaaataaagc gtgacaatgt agtcctggca tttaaacaat tgagtcacac cttttatgag	180
aaacttcaag aaatgcaaat tcaaatgagt caaaatcatt tagaataaca ccatggaaaa	240
ctttcaagtc tgattatgtg gtatttatcc ctttgcaagg agagatataa ttaagcttac	300
acaatgaaat ggaaaaaatg tttgtcttgg agtcaaacag aattaaactc agataccagc	360
tctgctatct tctaactgaa tgactttaag ttatgtaata tatctgagct ttaacttcat	420
ttttggcaaa accagagtaa aaatgaatac ctctagttgt tttgaggatt aaatgagata	480
atgtaagaaa agtgattggg attgggtggg gacttaatga acggtagtgg gtttttaagt	540
agttaaatgta tagcaaaaatt aagtttcaca ttgtcaagtt ttcaatacat ccccaagtta	600
attggaattt taaattaatg gatcaataa atcacaagg accccaaatc aattctgaac	660
aaacaattta gtttttgta	679

<210> 2003
 <211> 684
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(684)
 <223> n = A,T,C or G

<400> 2003

antntcgaat tcacaccagc ncnctnnaaa cctttagnct gctttaagaa aactcagtat	60
ctgaaaatct taacttagca tgtgatactg tcttatcagc atctgcagaa gtgccaaagc	120
cactgctaga cacttaatgt gtattatttc atttaattat attttaaatg tgcttccttg	180
gtaattctta agctcgagaa agagtgtgag aactgctgct aggaaataga gattcacatt	240
taaccctgtg gtacttttaa gaagcaggta cgttgttgca tatatacttg ggtagagatt	300
ggtaactatc tgataggaa gctcaagttg gccaccaag tctgagaaac ccttaattac	360
tgagaatcaa aagagcagaa tgtctgtaga cattttggat ttgtaaaaat cacattgttg	420
agttatacct gtgatgggct gaaagtttt ggcatcttt cctgttcttc atatgccagt	480
accataaacc aaaaagtatc tcagatctgt cactttcttc tcctaaacca atgtgattgc	540
agcttttttg ccttcagccc ttttccttat ccagtatctc ctacatagtt accttttgat	600
cttaaggaaac tggtttgaat tggggtcact tccttgccca aaattccatt gaatggtcat	660
tggtaaattc taaaaataag agtt	684

<210> 2004
 <211> 1508
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1508)
 <223> n = A,T,C or G

<400> 2004

tgnaccnnnc	ancnnncegc	ncccnnnnga	cnnnnncaca	ncangncncn	nnnnncncaa	60
nnnagcnna	cnncntctg	nncttcnecn	gcancnaacg	nctcccngcg	nnggetcnnn	120
tactnctac	nctcntcacc	ncncannnna	gnngnnttga	cnngcgcnng	acnntancac	180
ctcacnanac	ggctccntcc	annncgnnct	ncncnatctc	cgcgcngcg	nnnnnnnnnn	240
atngggngcn	aggncancta	ttncgtccng	acngcccggg	gnaganacgc	nacaaacctt	300
nancngggng	tgtcncaggn	gggnatanna	ggnttcnecn	cctncatgng	gccccngggg	360
gggganttcn	cnactcgnna	ngtcgcccc	acncacnccn	tgtaccgcan	ngnccccacn	420
aacagnnntg	ntcnagcccc	actgcgggnc	ncaaatactn	gacgcacnec	gnncnncngn	480
cccnntnnnc	tcnnaaacan	naccnccac	cncncgaac	annnnnncnc	cggcncnagc	540
nnncgnatnc	agatccncan	ngcncnccc	tnctncnanc	ngtccgacta	ncaagncggn	600
ctnaagnaga	ntnccentnt	nnncntnnnc	cngcacgncn	atgacgncnc	acgcnnttc	660
gggnagccgc	aatccgcacc	tnccnctact	anccatnngc	nnntccncac	cngtctannc	720
gntgtacncg	cgcantntcn	tatccnnecn	ttctnnnga	actgtgaccc	ctnacatctc	780
ntacgcgcnc	tcngcncann	ctncnncana	tcgtgnanac	tnacncncta	ctcancaent	840
cgnacacgc	naacgnaccg	cgnnccgnnt	tnctcnatga	cgacaangcg	cntancctcg	900
atctgttgnn	ntataanncn	gcgggtatnc	acncagaanc	cacacgcgcg	ccaaacannn	960
cgcatagcac	actnnntacn	cgttnnaacg	nangncnacc	gannactcan	tcanccgaca	1020
ctnanngngc	ncngcgcgcg	ctnctactct	acctccgaca	nnmntcngcn	acancatcat	1080
tacgncaca	naccncccat	cacncacccc	aaanacantn	cgtgcngnec	ncngcgcan	1140
gcacatnncg	ananaacnac	tcctgncgac	ngacgaatac	acgtgtcag	actcgtctta	1200
nccgcgctga	ncttncgcac	nctgcacgca	ctnnntcnca	nanncgcgte	antngactct	1260
atacactgct	cacgactcng	cgcancgcgc	tangacgtnt	cnngccagac	acaacaccgc	1320
acncannccn	gcncgtgacg	ancncctctc	anacactccn	ccaacntccc	tcnccnnngc	1380
natcngngac	agcgacgcac	accnncatnn	acgtccgac	tcnnncgacn	cacnacnenn	1440
gcacnncna	tnegaacgca	agancnncgc	anncgcgcg	ncagnncnec	cctnacnna	1500
cgncgcg						1508

<210> 2005

<211> 878

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(878)

<223> n = A,T,C or G

<400> 2005

tagttatncg	gaanttgtctg	ggggggggga	atnaaatatt	taccaccact	caacaaggaa	60
cccncenncc	agttagtcac	ttantaanna	gtaagctaga	tagatagant	nctanaagtt	120
tangnaagnt	naggaagctn	tcagatantt	tangnactct	tnattntant	anancagnnn	180
ngnatntaan	ttgngggggg	gggggtgtat	tattttttat	nnaancgnnt	nactngntaa	240
gnaaatcnaa	cattctgtng	nagtatctta	tgtatgtact	ctncaacatn	ttaatanat	300
antggtcacn	tntatgatgn	ttttaaataa	ttgtncntnn	atannnntgt	tnatanentn	360
ttgnnnnttt	acnacatntt	tttnatttta	ntannanann	ttnaatannt	tatntagaaa	420
ttnatactat	attnnenttn	nttatttatn	antntttnat	ttntagnttt	tacnaagtag	480
ttgntntttt	nnntanaann	tnntntnnnt	ctaaaaatnt	aatantgnta	tcataatttta	540
ttttttannn	ttttntttat	ntattttatn	ntatatattt	gannttattn	ttcntcttnt	600
tttttattaa	ttttnnnnna	tttttcgttt	gnttataaat	catanttttn	ttnattnnna	660
ttctaatnata	nnnttttctn	nanattggan	gttnntnttg	ancnnaanat	tgnttctann	720
tnnaaatntt	atttttnnatt	attttntang	nttttnaatt	tanantatnc	tgntttannc	780
cntntannat	aancanattt	ntaatnatnt	cantatcaaa	tnannnacta	tcnntnnnnc	840
cnatnttatt	atcgtttata	taanancntt	cttatcnn			878

<210> 2006

<211> 711
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(711)
 <223> n = A,T,C or G

<400> 2006

nttcgattga caagacaggt tgctgagggg tcggcaagca tctgacttgc ccaatccccct	60
ggatatgggt agccccgcca tgcttttatt ctgtatcgnt tttgtcttta ttgctgcttt	120
caacatttac gtttggttac agttaactat ttccggagtg tggtgattga agacaatttc	180
atcatccac tgtacttttt ttttgagagg gagtttact cttgttgccc aggctggagt	240
gcaatggcac gatcttggt cactgcaacc tctgctcct gggttcaagc aattctcctg	300
cctcagcctc canagtagct ggaactacag gtgcccgcga ctatgccag ctaatttttg	360
tatttttttag tanagacggg gtttcaccgt gttggccggg ctggtctcaa actcctgacc	420
tcaggtgatc caccacacac agcctcccaa agtgctggga ttacaagcgt gagccactgn	480
gcctggcctt tttttttttt ttttaaaaaa aaanggcnnn ttnttttngn cccccagggc	540
tgggncctng anccccngga gatnnaaang cangcccnct ctggttttna aaaaaaacag	600
gtnaaccggg ggcccccccc catttaancn tttttataaa aaanggantt cctgggcnc	660
aaaggggaat ttttnggng ggggtttccg cgnaantggg gntccaaaaa c	711

<210> 2007
 <211> 708
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(708)
 <223> n = A,T,C or G

<400> 2007

gtttcncaga tgaacagaa caagtccatt tttattttct ttcactgcat tgcataatgg	60
actcaagttg tggtgtgtat agctaataag atgccattca cattttatac atcttttttt	120
tttttttga aaggagtnn cnntttgccc cngngnngn agggnaaggg ccnaatntgg	180
gttnanngaa nttnccnncn ccngntnaa ncnnttttt tngccnaacc cccccnagaa	240
nnggaanna nngnccccn cnanncccn gggnaantt ttngnntttt aanaaaaaan	300
ggggttcnnc nanggnctaa annnccnnc ctnggnancc cccccntaa anntttngnc	360
nangganggn aaatnattnng ggnccnngnt tttaaancna aatngggnan aangaaaaa	420
cccctngttt atnaaaaaan naaaanttn cngnncnagt ggggggggnc ctgaaacccc	480
agntcctnng naagnccggg gcanngnanc cncttaaacc tggggggcnn ngntttnaaa	540
ccccaaaaat nntccccctt taatnccanc cnggggggng aaaaaagaa aaaantntt	600
ttctaaaaaa aaaaaaaa aaggggnntc cctcccgga ggaanttna aaaaaaana	660
aanttttttt tttgtccnc aantttnnnn cncnccnnn taanance	708

<210> 2008
 <211> 686
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(686)
 <223> n = A,T,C or G

<400> 2008

nntcattcgg	acgagtctgg	gccctaggcc	tcccaggagc	aagtggggcc	tctgatggta	60
aaagtcgagg	agaaagaaga	gaaaggcaag	taccttccta	gcctggagat	gttccgccag	120
cgcttcaggc	agtttgggta	ccatgatacc	cctggacccc	gagaggccct	gagccaactc	180
cgggtgctct	gctgtgagt	gctgaggccc	gagatccaca	ccaaggagca	gatcctggag	240
ctactggtgc	tggagcagtt	cctgaccatc	ctgccccagg	agctccaggc	ctgggtgcag	300
gagcattgcc	cggagagcgc	tgaagaggct	gtcactctcc	tcgaagatct	ggagcgggaa	360
ctggatgagc	caggacacca	ggtctcaact	cctccaaacg	aacagaaacc	ggtgtgggag	420
aagatatact	cctcaggaac	tgcaaaggaa	tccccgagca	gcattgcagcc	acagcccttg	480
gagaccagtc	acaaatacca	gtcttggggg	cccctgtaca	tccaagagtc	tggtgaggag	540
cangagtctc	ctcaagatcc	aagaaaggtc	ccgagattgc	aagaatgagt	accagagccc	600
ganggaatca	gccagatgan	ccagaaaggg	ttttgaanca	naaggggctt	aaaaggggat	660
atnaattttc	tggggattat	tcgcca				686

<210> 2009

<211> 1187

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1187)

<223> n = A,T,C or G

<400> 2009

ntcactnttt	cgntctgac	acnacntnt	cnacnnngnc	aacnctgacn	tnactaanna	60
aacgcantct	ncgntcatac	tnctcctntc	gntatacaag	tcgcatttcc	nctaactcnc	120
actcnnncna	tcgcgncang	nngnagtaac	cnnnnaccaa	annnnaanna	tgatctcgnn	180
cccngtattn	aggngnaac	cgtgngtcaa	tataanaccn	annagcncnc	nnaatcngnn	240
natcctannn	cnaancanct	nmatatangt	actnatcatt	anatccctta	aacntaannn	300
naentnnnaa	annaacgggg	nnnnantntt	aaaanttang	anacgancn	cataanacnn	360
ncanmtactc	ctgnnnaang	ncanatanaa	naatangcaa	tnanntcaan	nagtanaaan	420
cnnntnacnn	gccctgataa	naatntantc	nannnctntt	accantcaac	tgncanaaan	480
natgcnaacna	antnacccan	aaataagntn	aacntactcn	tnactnctnn	nantctantc	540
attttnngnn	ntaaancnct	gactatnccn	atactnncnc	ttnnananta	nnnatataan	600
nnctgtnttt	tacnctttnc	ccancaannt	tcnntcncnc	antncannac	tgaatcanca	660
anatncannn	ccntntntat	cannactttg	aactnagnan	atcnanncaa	tatnatnnta	720
natnnctgac	aantaannna	gcattgaaaa	aagncntcaa	tantnttnan	ncanacanta	780
nnataaagcc	tgngnattac	anntatcact	mntacanaat	nttanatcca	aataanaaatt	840
naanaannnn	ccactaannt	gcaatncaat	nnaaattntt	anntctaann	ntnaatnatc	900
nnaaatnaaa	ctnannaatn	anaangnant	cgnannaant	nncnaccata	actaaaactn	960
ncatantnnn	tatnccttcc	ncncnnaaac	ntnccnacct	gaatccatan	aataatcnan	1020
nnnnngncac	ttnttnann	nananagcnt	nntcanantc	nnngaatnnt	tcantntntt	1080
tnnagcaatc	tatnannana	nnangnatng	gnnaaaaaac	tnncancaga	nanncttccc	1140
nacntttatc	gnnantcaaa	ncaagacnnn	gttantatta	nacaccc		1187

<210> 2010

<211> 1055

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1055)

<223> n = A,T,C or G

<400> 2010

tctnnnnntn	tanaattntc	nacnttncnt	tatnaanntn	atatacncnt	cnaagttact	60
ntntnagggc	naannaannt	ttaaanttcg	cccttnttcn	nttttaatat	nttttnnatt	120
tccttatnaa	aatatnatac	antcgggggn	tnactcatat	ancnagntgg	nanagccacc	180
ntttgaaagc	tctgatgtaa	ttnnaaaaag	aatcaaat	annngggggg	gnttttanag	240
aaatnccctc	naagcttnac	angnttggtt	atgngcatta	tnntntaac	tngtgnttta	300
tnattcantt	natanaggcc	ntantnttcn	agatnaaaact	caatntntnt	ttnnnatnnc	360
tnnanntnna	tatattannc	anttantana	tanattctnn	cttnaanaan	ncgttnantg	420
annncnnnta	taaatctttn	ttntntnnnc	ncttatanac	ttnantcatg	nncnatnttt	480
aatnttntaa	caaaangtnc	attcngnttn	nnntannana	aatnancnt	tanancancg	540
nncnannttt	gtaaccaana	tngggntttg	ggnttaaaca	ncaccnnatt	tttttaaatt	600
ntnctnttna	ccaatgnttn	ngtggtctc	nantnatgga	naaanncnaa	aatcggttna	660
cattnctggn	tnntcantna	tnntncccta	tangcaaan	cnctaangna	tnntttgtga	720
tctnataaaa	ccnnncaatt	cattcnggga	ggctaaantc	acaanntnt	atgnagcant	780
nntatanttn	tatttttatn	accccangtg	taccataaaa	tangcatatn	agaaaannac	840
acccnccanc	ttnggatana	caaantcnac	atagtcgcaa	gagaaaaaat	acatcctntt	900
tcncaaaaaa	ngatcggtna	nnantnaaaa	aacncacaan	attntntcnt	atctnacagc	960
tccactcnna	nanagaaaan	ataagaggga	cgtntattatn	nctagnaata	gtntattatt	1020
ncactcnttg	tgnnacctcc	acncngtgn	nttnc			1055

<210> 2011

<211> 673

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(673)

<223> n = A,T,C or G

<400> 2011

gttcgattcg	cacgaggtgc	gtctagagga	aatgtactgt	tttgagata	ataagtattg	60
atcagacatg	catttttacc	tctgctgtgg	gatttttagtc	tcattacttt	gttgatctac	120
tttgtagtta	acctagagaa	gttaacacag	ccattgctac	agagctttct	gccacttgag	180
ttccagaatt	ccagaatcca	gtttcctagg	gattgtgggg	agtaaaaaga	ggtatagggt	240
atgggtccctg	tatgggagca	atacagtctt	tattgagtag	tgtctatatt	gtcttgttta	300
ctcaggtatt	tcatatatac	attaaaaaaa	ccgacaataa	aaatgaacat	atgaaaactt	360
ccttatttgt	gatacatgag	taaatgttga	tgagattaga	gaaggggtcc	aaaaaggttt	420
ctctgaggat	atgagttgag	ttgcccatca	ggatggattg	ggtagtggat	gctgatgtgg	480
gcaaacactg	gaatagacct	cagatgctgc	atgatgtgcc	tgtgtaacac	agttgaaatt	540
tggtgatcaa	ngggacatat	tacagcaggg	tagggcaacc	cgntaaaaa	atgacttggg	600
gtcctttaat	tgggttatgt	tnacatggn	ggaaagaaga	naaggccccg	aaatgaccat	660
ggcatanaaa	ata					673

<210> 2012

<211> 678

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(678)

<223> n = A,T,C or G

<400> 2012

ntncgaattc	gcgngaggga	atctccaccc	tgtgctgttt	tttancaata	tataataaaa	60
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gccaacattt attcagcact gaagtatttt atacacattn gctcacttaa tttttacaac 120
aaacctgtgt ggggaagtact gttataatta atcgtcattt tcagataaga aaatagcagc 180
tgaaaaagta aaaataattt cctcaaagac agccagggtt taaatcaggc ctttctgatg 240
tagaccatgc tcttcactac cacagagtgc catgctactt tctctccctc tccctectct 300
cctgtccctg ctacacacac acacacacac acacacacat gcacactcac tcacacacac 360
taggaggaac aaatgagatc attcacatga aagcacttat gtttctgaaa ttttaaggagc 420
tgtgggtttt atctaggntg acctctcaag ctaaaaactg ggaaccagaa taatggactg 480
aaacttgggt ttactttcca gaccagtgtt gatcctctga attgatgaaa ctgtatagat 540
ttccctcttg gatgcccttg ctaacatgga ttctctttca ctcaattcct aatgcaaata 600
tttgctgacc actgnttaan aatgttacat gctgcatta cattggatat tttactattt 660
gggggggtng tntaactt
678

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<210> 2013
<211> 658
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(658)
<223> n = A,T,C or G

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<400> 2013
naggngttga gaaccgagct antaaatcaa ccagtcagan agggccctggc aaatgtagcc 60
tacatcatca tagagtccac cgaggagggc acgactgaat atggcttggt gaaggactct 120
ctatttctgg tcgacctgtt gtgttggtgt gccatcctct tcccagtggt gtggtcaatc 180
agacatttac aagaagcatc agcaacagat ggaaaagctg ctattaactt agcaaagctg 240
aaacttttca gacattatta cgtcttgatt gtgtgttaca tatacttcac taggatcatt 300
gcatttctcc tcaaaactgc tgttccattc cagtggaaagt ggctctacca gctcctggat 360
gaaacggcca cactggtctt ctttgttcta acggggtata aattccgctc ggcttcagat 420
aacccttacc tacaacttcc tcaggaagaa gaagacttgg aaatggagtc cgttggtgaca 480
acatctgggg tgatggaaag tatgaagaaa gtcaagaagg tgaccaacgg ctccgtggag 540
ccccangggc agtggggaag ccgtgtgaca naaccaccc ttgaggatgg cctgtccaag 600
gaaactggta acttattcat agtctattg ggacagcagg agcagcttct acaggnga 658

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<210> 2014
<211> 669
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(669)
<223> n = A,T,C or G

```

```

<400> 2014
ttnnnnnant ngccgagggtg acattgtgat ngcanganan gntaacaant tattaatata 60
aatagtactg tatatgagag tacacattag gaatgctgtg ctttaatgca taaacatgtt 120
tacagtggtc cacatgtgcc aggagatgtg ggaatggcta cccctgaagt catatggaga 180
aatgggggtc tcacgcacac ccatacacia acatcatctc acaaatggat taaagacact 240
taagacatga aacaaaaaaa actcctagga gaaaacacag gggaaagctc catgacatca 300
gtttcggcga tgattttttt ttggacatga cactaaaaga acaagcaaca aaactaaaag 360
taaacagggtg ggattacatt gaagtaaaaa gtttctgcac aacaaaggaa acaaccaaca 420
aatgaaaaa cgaacctgtg aatgggagaa aatacttgca aactgtatat ccagtaaggg 480
gttaatatcc aaatacataa ggaactcata caactcagtg gcaaaaacca aatacccatt 540
gaaaaatggc naagagccat agtagacatt ttttcagaga agctnttcag atggggcaca 600

```

ggtatatgca gangnctnag catcncatc ccagagaaat gcngtcccca cagtgaagctg 660
tcactggtt 669

<210> 2015
<211> 689
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(689)
<223> n = A,T,C or G

<400> 2015
cnncacnatg agntgtgngt ntntgcgntg cnattcacct cntatncecn tacgtgtngt 60
nntanccagn actctnnaan tgacctggtg atnaagngac ggctgncnc tgtgcnaatg 120
ttnggggnca anggagcnat ttatnatcan tttntaaac ctggtgnaat cantntgcgn 180
attgtggata ccaccaant cccatgtntt nanggaaagg nanntctctn tcccantcca 240
aaatggcctn nggttggang gncatgnanc ctacgcctnt aananccaga aattngtngg 300
ccctgcatgc antgtgncaa nangaccngt gctngnaccn ttnagcccac ntgntanncc 360
nantctacta acgcttgag nncaccggn ccatggtngg cagtgnctgg gnaananatt 420
ctactnaggg angctgccgn gctnaaaang gggcttttac ccccnagacg ggaaattgtn 480
gggaanngga ggagnnnnan naattgnngc ttctgtgctt ggggcaacca nganntggaa 540
aacttttntt tcnaatcccn ctcttttag nnaaaaaaaaa ttngnnataa aaccnccca 600
naaataaaaa anntttccna atttttngt tcccnnggca aaannantnn ntttatttt 660
ntgnatcaaa agnaaanttt tntgncc 689

<210> 2016
<211> 670
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(670)
<223> n = A,T,C or G

<400> 2016
ttntcgattc gcacgagggn acccacagct ctcatcagaa gcagacacag atactttttg 60
taggaaaaca tctctaactt aagcctgtag gattcccaaa gattaaaagc aggcaaatat 120
gaattcagtc aaatcatagc attcaagtag tctcaacca acatatttga gaattgttag 180
aaacaatgaa tatgtttccc aaagactagg ttttggaatt atcagataca gaacacagac 240
ttcaaattt agaattgtga gaaaatagtt acatgtcaaa cctaataataa aagaaagatg 300
gactcattaa attgagcaac agaaaggcca ccaggaatga ggaggaggac ctgaaaagaa 360
aatggatgaa ctagaactta cagaaataaa atatatagct ggtctgtgtg gctcacacct 420
gtaatcccag cactgttttg gagccgagg tgggaggatg gtatgagccc aggagtggg 480
gagacaagcc tgggcaacat ggtgagaact cgtttctgta aaaaataccc cacacccca 540
aaaaaaaaaa aaagtccttg ggtttggggc ncgtntntgt anccacntn gncngnggn 600
tngngnggn ggatccnttg nctagggggc aagggtnga ttggccttcc cctggaaccn 660
ancctggggg 670

<210> 2017
<211> 718
<212> DNA
<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(718)
 <223> n = A,T,C or G

<400> 2017
 ttttcgattc ggcgcgagac ncacngagag agagcncgag agagagagag agagagagag 60
 agagagagag agagagagag agagagagag aganaganag agagagagag agnnanagng 120
 agagagngan agagagagag agagagagag agtctctctc tcttncgnct ctngctntct 180
 gtcttnnctc ccccccanat agagnnnnct cctcgttctt ggggngtctn tcnctctcta 240
 cctcttttgc gncggatctt tntctnatac cgggncctnct gtcccnctnt gtnagntcan 300
 ccnctctntg tgncccccctc tctnnacgca ctctcactct gtntttgtga gnnntaaaga 360
 tcnatcttgt gtgggtgngn gtnccttttt tgcnnccctt cttttnttna anntgccttc 420
 nctnnaccct ttctcncttt tanatgccac tctctntncc tngcncctc ccnnnanggc 480
 gggganatat atatgngtcc cncnncnccg gcntgaaaca cnnngctctc tcctntgggg 540
 ncnggcaagg tcccctcttc tntntctnng gcccccccn gaaaangggc ttccggggccg 600
 cccncttttg cagccccccc ttccccccc angacccttg gcttcgtgaa gtggcgnttt 660
 gggtnccagg angccccccc cncnctnttt tcnntctta agggcttgga gattcccc 718

<210> 2018
 <211> 683
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(683)
 <223> n = A,T,C or G

<400> 2018
 gtttcgantic gtgcgaggaa accctatgtg tgtgataggt gtgggaaggc cttcaggaac 60
 agctcaggcc tcacagtgc taaaaggatc cacacaggtg agaaacccta tgaatgtgat 120
 gagtggtgga aggcatacat ctccactca agtcttatca atcataaaag tgtccaccag 180
 ggaagcagc cctataattg tgagtgtggg aaatccttca attatagatc agtccttgac 240
 cagcacaanaa ggatccacac tggaaagaag ccataccgat gtaatgagtg tggtaaggct 300
 tttaatatca gatcaaatct caccaagcat aaaagaacc atactggaga ggaatcttta 360
 aatgtgatat atgtgggaag ttatagtggc acatcccaga agagaacctc tgaggagggg 420
 aatgcccttg atgggggcag gatgaggatg cctctgtagc aggcagagct taccaagtct 480
 ntccgaactc aaatggaaga aataccttat gaatgtaang aatgtanggg gtcatggcct 540
 gtaattttacc cagngtnaat gaaaccatcc tagaggatta ttgagggaat cctttctatg 600
 tganttttca atcatancaa ngcaagaaag gcttcccntg ttcaagggtan ttcancctnt 660
 tacagggata ttaaaccagc ccg 683

<210> 2019
 <211> 1120
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1120)
 <223> n = A,T,C or G

<400> 2019
 gcattgcata tggactcaa gttgtgttgc gtatnagctc acaggagngc nagttcngga 60
 ttttatacat cttttttttt tttttgnaaa gggaaannnn ctntgncccc caggngnag 120

ngnngggccn	caannangca	tnanngaaan	ncccgncggn	annaaatatn	ncccnttctt	180
tggcctaacc	cncennnnna	ncgggaanaa	nnnggcnncc	aaccaataaa	ngaccnggga	240
naatttattt	gnnttntnna	annannnnann	aanacntntn	nccaccnatn	cnnnctccn	300
cangaactcn	ccnntaacnt	ncttaantnn	cntccnttta	nnnancntnan	nnngcatcna	360
aacatcnent	cnnncacana	ccnaancaa	taaacnnana	gtggttnnna	naactagggg	420
ancangcncn	nncnagancn	taaannnnaa	ttnacttcac	annatcatct	atntatctat	480
aacacanang	ctancnntat	tnncnntctc	tntnccganc	nncacancntn	acacatagcg	540
cnatnctcag	cncatcnntat	anngttnnagt	acttcacnga	agancgcnnc	ctcnacanag	600
tatagaganc	atngntngag	angacaanan	ancncgatna	taacagtana	tcntntngta	660
cancgnagnc	cncggcatat	atcncaccga	tcnnnngcnc	acnnancana	tncacncegg	720
tnagnatata	aanccanaaa	cntcgtnncn	cnctancctca	annntaaan	tgcnncatcn	780
cngngtccac	cncacantnc	gtcgtnctgc	ancatntnna	cacgtntagc	gatcntgccc	840
acatatcacc	gcaanncgan	acatactatn	gatcgcaacn	nnaacngggn	tnntcancga	900
cacancatcc	atncancann	cgtnaagna	ctancanana	nagatggntn	tacncatcgn	960
ancnactgc	agntcatana	gnganatata	tacttttata	cnactctcnt	gantncagan	1020
cacatntgca	cacacanang	tacatatn	nactagnaca	cgacatantn	tnntatanata	1080
anncanacnc	actgtacaca	cactganata	tcgcataanc			1120

<210> 2020

<211> 1361

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1361)

<223> n = A,T,C or G

<400> 2020

cantaanann	atannncggt	ncnnacttac	caacnncgta	cttacgaatn	tnctaagntc	60
tnacaaaaac	ncgnacttgc	agtcnnnctc	tnctctcanan	aaaataanct	tactccncca	120
actntatcng	cntctaacgn	catctcntca	tatcacncat	ntctcaaate	taancatagc	180
tgctnantca	nttacatntc	ntnatnttta	gtnnnatatn	ntncatcact	cnnctcancn	240
ngtntncna	ntntnccgna	ntcgcccaen	hangtnnaat	ccctnatggg	accccccccc	300
agtcnccctn	ntacttnatc	gtgcancntc	anntaaantc	attgaangat	ntattctaca	360
nacntanttt	anccnccaat	nacnaaaagg	ggnattnnna	aantatcaca	cnttaacnca	420
tnnanctacn	tnanancect	anaanatant	tcactcnctn	tcnttcaatn	cnnctcaaac	480
acttaanttc	ntannnacan	tnntanntcg	aacctnanct	nnntctcgac	tgtnntanan	540
tnnncattan	aaanncnncn	naannantaa	ntnannantt	ctaancnttt	cnaaanntta	600
tnnnnatncc	ttncctttnt	ntatntnnaa	cnnnttacnt	tatatntttt	tcaantcaca	660
atnancaaca	catattatna	nnactnttaa	nnctntnact	acaatctana	acntnatana	720
tanannacat	nanattaata	ccnnnatga	cncgttttnn	anattatnnh	tatnannann	780
ctcnattnac	cnanagtcna	anantcnatc	tnnacttnc	ggagcnnaga	ataaccntaa	840
tcnntctctn	tantcnnnta	tnnncacatc	catcnangta	gtancacnct	acaancctct	900
naacangcac	angtaacgcn	ctatatntca	taanntcata	actnntcact	acaccntnca	960
natctnactn	cgntatnaat	ananctgact	atatctctnc	anatnganta	ctngancact	1020
ntnatcnent	naccctcact	ngatntnccg	cntacacgcn	cntagannca	acacattcng	1080
atanactcac	ngntntnctn	agcnatctca	catatctcat	ctnaccncnc	atcanncnnc	1140
aatncancnt	nnennanatn	nctatctnat	atntacaann	cntttatnac	tcacgtcnnc	1200
caaanagatc	nacatttaan	nncatnanca	ntatcntaca	canatacatc	nnattncnnc	1260
tcntacacn	ttgggatata	ttnatctcca	cgtnaganac	atcgccatct	ctncgaatca	1320
nnntnctca	tatctnatna	cntacaccnn	tcnagnann	c		1361

<210> 2021

<211> 845

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(845)

<223> n = A,T,C or G

<400> 2021

atatacctttn	aactcnnngtc	tttttgcagg	atcnnnnnnnn	tcgaattcgg	nacgaggatg	60
cacggggcact	nnggnggntt	tngcgggccac	tctgagtnag	ancatccagn	tggcggtgga	120
actgaaggnt	tccatgnggg	acctctattc	cttctcagct	ntcatgaaag	ccctggaaat	180
gccacanatc	acaaggtag	aaaagacgtg	gnctgctctg	cggaaccagt	acacccaaac	240
tgcctttctc	tatgagaaac	agntgaagcc	cttcagcaaa	ctcctgcatg	aaggcagaga	300
gtccacatgt	gttcccccaa	caatgtatca	ntcccactgc	tgatgccgct	tgtgacgtta	360
atggaccgcc	aggctgtgac	ttttgaagg	accgacatgg	tgggaaaaaa	acgaccagag	420
ctgtgaaatc	atgcttgaac	catttggcna	cagcgccnat	tcattggccga	ggctgcaaga	480
cagctccgga	tgaatgctga	gaggatctgg	canggtttca	accagatga	angaaatgaa	540
tgaaaanttg	caagacntga	atttnaaatn	ccaattgctt	tgggggcnag	ccaaaagggtg	600
ccccaaantc	caattcaana	cnncagagga	ttttgaggaa	acntcaaccn	agatttttaa	660
ctggcccttt	ttcgccgtta	aaatngggaa	ncctccccc	ctgntaaaag	caaggccaga	720
acttttttan	tnactcttcc	annaaaaacc	cnnttnanaa	tattcntttt	naaagnnttc	780
cccncctttt	aattnttttn	gggaaaacct	tacntgtttt	ttggataaaa	anaatnatgt	840
nccaa						845

<210> 2022

<211> 805

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(805)

<223> n = A,T,C or G

<400> 2022

tatccttcaa	ctcttgcttt	tttgcaggat	ccnnnnnnntc	tnttcnnnncn	agggcagact	60
tctcatccgt	aaaatnagga	agataacatg	attccaaggn	cgtnttttng	gnttaaagga	120
agtcatgctc	ctaatttact	gcctggcaca	cagnacagtaa	aangetcaat	ncattnatgg	180
aaggaatgaa	ggncctctggc	agaaaaancag	gtcanatgtg	tctgntgtgg	acaggtggct	240
ctgtcgggtg	ccggtgagtg	ccctgggagt	ctgcagtcac	ctcctccgca	gccgtgtccc	300
caggctcaca	ggagccacct	cagggtgggaa	gctctctgcc	agccttggga	agaccagact	360
cacagctcca	agccacgtgt	gagcanggag	tgcttgcatc	ccanaaaagt	tctgcctcag	420
caggctggag	attgggatcc	ccctatgaaa	tgggtgggtg	tgtgggcact	aaaaaaggaa	480
gattggctct	gtttcaanaa	acttttaaaa	ttcactgtac	tggtttttat	tattacaaaa	540
gtaatgtatg	ctgattatag	aaattttacc	ccnnnccnc	ntnccnnncc	ncnnnccnnn	600
nnccnnnncn	nnctcnnccn	nnnnntnnnn	nnccnnnnnn	ccccnnnnna	aaanccccnc	660
ccccttaaaa	aatttggggg	ggccttttnc	tcnccncccc	ccccctnnaa	acnccnccntn	720
tngggnnntn	gggccccccc	cccctcttga	anccgcnggg	aaaaaanant	tttttttttn	780
aaaaanntcg	ngnaccnncn	tcttn				805

<210> 2023

<211> 1335

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(1335)
 <223> n = A,T,C or G

<400> 2023

aggggnggng	gngaccntng	ggngnnnagc	gggggcccnc	aaanccanan	cnatngggat	60
ctgggcccac	tcncnnnnnc	gatcnccttat	ncgnngangt	aggaanancg	gnagtnaaac	120
nccgccccaa	cgagaganga	cggggggggg	ntnttttcta	tgtctnncca	acgcnnngnc	180
nccncncnta	tctnccgcct	ccntancaca	catatgtaga	nncactantn	cntactacan	240
cncgcencat	nnnngcatgn	nngnganctn	cgancnngnc	acacannngg	gntngagtac	300
ncanncgga	ngataagngc	acnantngng	ccatgnncnn	aaaaccggac	ntggcgcncc	360
cannagacac	ggagagtngg	cctgncaacn	gncgnacana	gngttgctnt	nnangcccg	420
canacnctta	nagcacngca	ccnagaggng	angcggaac	acaaacgngn	acccgnggan	480
cgggagcgga	tnganngaaa	nctcgggaaa	agganggnan	caatncnaan	cagngtagng	540
nggcncnnnn	cncncancnc	ngtangnacc	tgannnccgt	accactncnc	gccatgtgaa	600
aacgtngag	tnnnaagacn	acggnnngcg	anangnatcn	actccgcccc	gntnnacgcy	660
cgacgcacnn	agactcgann	ccgcgcaatg	gncgcangnn	aannnccttg	cgngngtaga	720
catgagcgaa	tgannncacg	ggcagataca	cangntngcn	cccgggatat	ngcaccacca	780
nccnatnnnc	ctnnncgccc	cacganntan	cccnncggc	gantcaagat	gcncatccn	840
caacnaangg	nccnncnanc	atngantnna	ananagagnc	ngtatatctn	ctnagggaaa	900
gcaanatnca	cacaagacgn	ancgnntgac	tgccaccacc	gtgngacaca	nnntntcgat	960
ancgctnatn	ccntacntg	nngantngc	ntncatntgc	gcggaancnc	gactnntaat	1020
gaancncngc	cgngcnnat	ancncacgga	accgcaatac	ggnnncgcgt	acngngacga	1080
gagagcgcca	natannaccg	ccgaatggtn	annaccant	ngntgncnac	tnnaggnncn	1140
accncnancn	gtggtgnnct	cgcannaaga	tnncgtntcg	cccnntncnc	nnccnncccn	1200
tgagnatgcy	ancgnccac	ggaccccccc	nacganacan	ncgnnccncc	ntcaaaaaacn	1260
cgncngcgcn	nnccacnncg	cncgngngt	gnanangtac	agcntttacc	gcggaagcng	1320
gnntntntn	agagn					1335

<210> 2024
 <211> 877
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(877)
 <223> n = A,T,C or G

<400> 2024

ttancctttn	aactcctgtc	tttttgcagg	atnnntnnnn	ntnganttnn	nncgagccta	60
agcaggcnc	tgcagcnttt	tnnttccaga	aaagaaattc	tcaaactaat	ntnaactgag	120
gaagtgaag	aagaaantct	taaaantgtn	ttatctgaan	ccccanctat	atgtcctcct	180
caaanncctg	aaaaccaaag	gccaaagacc	gggttccagn	tgtggttaga	agaaaaatnga	240
agtaatat	tgtctgacan	tcctgacttt	tcagatgaag	canacataat	aaaagaagga	300
atgattcgat	ttagagtatt	gtccaaactg	aagaaaggaa	aggtgtnggg	gcttaaccaa	360
agcccaaagg	gagaaaacgg	cnaaggtna	aagggaacct	ggaagccaaa	agnaagccga	420
aaaaccgtgg	tnggttggat	ggaaaagggt	gatggaaaac	acnaaaaacc	cngggnaaag	480
aaaaaangcc	aaaaggagaa	ccctggaatt	ttggttctta	aaaagccaag	aaaacccttt	540
aagatttttt	cttaccaaat	tcanaaaaac	tatccagctt	tttgcttttt	taaagcaggg	600
agttaaangg	aagaaagtga	cccctagggg	aagtcatngg	atTTTTTTTT	tactcnnctt	660
tttgaatata	gactcgagtc	tttggggaaa	cntcntcttt	tatatctctn	ttaaagaagt	720
ttggaagccn	cctgtttggc	ctttataaga	ntaangnagt	aattatattg	gnngtaggnt	780
acnnggcntn	ttgttnaaac	ctntcatttt	tgcanaatc	ttctgcctcc	aaattgcngg	840
gncttncana	gatgcnttgg	ggattgcant	tnctggn			877

<210> 2025
 <211> 708
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(708)
 <223> n = A,T,C or G

<400> 2025
 nttcntnggc tgcttattac gctcactatt atcaacagca agcacagcca ccaccagcag 60
 cccctgcagg tgcaccaact acaactcaaa ctaatggaca aggagatcag cagaatccag 120
 ccccgctgg acagggtgat tataccaagg cttgggaaga gtactacaag aaaatgggtc 180
 aggcagttcc tgctccgact ggggctcctc caggtgggtca gccagattat agtgcagcct 240
 gggctgagta ttatagacaa caagcagcct attatgcccc gacaagtccc caggggaatgc 300
 cacagcatcc tccagcacct cagggccaat aataagaagt ggacaataca gtatttgctt 360
 cattgtgtgg gggaaaaaaa cctttgttaa atatatggat gcagacgact tgatgaagat 420
 cttaattttt tttttgtttt aaaatagtgt ttcctttttt ttttttttnn aaagngnaca 480
 aaattttnat cnntcnngtn ggggggttaa ttttttngng naaaaaannaa aaatgggttn 540
 gtttttnttt ttanaggggg aaaangcncn ctttccnccc aaatgggttt tngcnaattt 600
 antgggggng gnnncgcntt tgggnaaaaa aaaaaggncn nntttttaa aggggnaaac 660
 nttccccntt ttaaaaaaan gcccgntttt tgggngnttt aaaaaaaa 708

<210> 2026
 <211> 673
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(673)
 <223> n = A,T,C or G

<400> 2026
 gtttcnctga ctnttacctt caagtatgga aatnncagtg cttcaggaat agaaatcttg 60
 gcaatcgaaa ggtattttgat tccaaatgca ggggatgcaa cttaaagccat aaaacagcag 120
 atcatgaaag ttttggatgc tttggaaagt taatataaaa gaaaattata taaaaagaaa 180
 ttaagacaac caagagaaac atggacatat acctcctgac tgaatactaa ctggagacct 240
 ttcatattgct catggggctg cttaaatagc aggtctaaga aagtgtaaat tattataatc 300
 aatctgtgga cagtaaaactt tttaaaaatt tttcttctgc attttgggtt tataaaatga 360
 tgtattataa aggtcagtta ttaaattact ttgaagtaac tgaccctgtg cccttatgga 420
 ctaagtaagg gtacagaatg cagtctctgt ttgaagagct gttttaaggg aacatgcac 480
 actttcgggt tcaaaaacaa ctgtacacat acatatctgc agtgtcttca ctgaaaatta 540
 gagatagaat tagttgaaga gacttcctta attgctacat tgttttactc actgagcaat 600
 atcagaaaact aaaaacatag attaataatt cactcactgg ttctattctt cttaaaaaga 660
 gtgaaatctt tta 673

<210> 2027
 <211> 678
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(678)

<223> n = A,T,C or G

<400> 2027

ttttcgaatt	cggcgcgang	anngtccac	gtgtagctga	gctgcatgca	ccaggcctca	60
gtttgcccc	agtccctgt	gtactctctc	atggcctgtg	gccaagaaat	gtattctctc	120
actttggact	taggagtcca	aagagaagcc	cagaaacaaa	attgcttgaa	cttgaatttg	180
tgtgcgtgcy	cacgtgtgca	cggtgtgtg	aagggtgtatg	ttttcggtg	ttctatgcgt	240
cactgtcacc	aaactcccaa	ataatagtaa	catttgttta	gatgatgtct	gctgacaaat	300
cacaaacacg	acgctaactc	gcaactctct	gctccactgg	cacagaatag	ggcatggagc	360
ctggtgctgg	gtgtcagccc	atggtgttgg	gtgtcagttc	acaggctggg	taaggggagg	420
aaaataatcc	attctttgat	attagacatg	acccaaaatt	tcctgctggc	agccaaaggc	480
ctcctcgctc	agagaagtca	tctgaaaaaa	gctagcccag	gggcaggaaa	gggcctcang	540
ctggcgcccc	aaaaaggngg	cccatcagtc	actctgggaa	gacagataga	catcgtcagg	600
tctcttttta	caagtcaaga	cagtaaaatc	aaaagtaata	gtttctggca	ggaanaaana	660
aaattgctgg	anccgttg					678

<210> 2028

<211> 698

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(698)

<223> n = A,T,C or G

<400> 2028

nntttcgant	cggcacgagn	cagtcaggcg	atgnctgnct	cattgccttg	gttctcacct	60
cagagactag	tgtttcacca	ttaagtgtga	tatagcttag	tnttttataa	atacttggga	120
gtgaattttt	aactgggtca	tagaggattg	ttggatttca	gcaagtagaa	atcagtggaa	180
attagttctc	cagacacagg	gaagagacac	tagtagtaaa	acaaatggtc	tcctttggct	240
atagattaaa	gggagatagt	ggaacacaca	catttgtcat	gataaccctg	gctcaaagat	300
agaagattaa	aaaaagttat	gatggggcca	aatcatggag	ataagacagt	tgggaataac	360
tcttctttca	gcgctaggag	gagaatggag	ccaacatcaa	cagaattaga	gaagtcacac	420
agaaaagtta	gttatgtgaa	ggaatgcctc	ttgtggcaat	tttttaaaaa	ttgcatttta	480
tgatttggaa	ctcaccgtct	taaaataatt	ggctcttaga	aatgggtgtac	tgctacttaa	540
ccagaaaatt	caggggcaaa	aggggtaaat	ggtgggggat	catttacatg	gttggggagg	600
acatgtatga	anaagtttgg	aagaaaatgt	tttggantaa	agaataaatt	taaattctgc	660
taccttgggg	tctggggaca	tttgggaaaa	tttgggtt			698

<210> 2029

<211> 802

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(802)

<223> n = A,T,C or G

<400> 2029

ccnttgagna	ctanggggnt	tnngaannnn	ccantcanca	tgaaactntn	tggcttgcaa	60
gacagggcaa	tagaggggac	cgtcacggag	ncaggccctt	ccacactntg	gcgtgcagna	120
ntgaagcacg	gncacnggcc	ctgcctacac	agagccaacc	tntgntccna	caccctccca	180
ctgtaaaatg	agaataagca	ctcaggatgg	tttgtgagga	ttcactaaca	gactgagaag	240
aaatggtnac	ctaggctggc	acatgggaca	ctcccantt	nntctttttt	attttcctta	300

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agcccagnnt naancccttc tncntccttn ggtttcntga cangccattt cnntttaaat 360
tttcactttc anaanttttt aaaatnnnnc naaattttnt tnancatntn aatggattna 420
taaaaangtn naaatttttc atagtattaa antnntnntt tccgnccent ntantttnt 480
aaacaaaana atttctcctt ttntttccta aaataaccen ntntttcata ttnccecntt 540
ngcctttttt tnannttttc ttcnnnnnan ntntancnt tgnntaaactt attntttttn 600
nttccccnan ntttataagt ttttgtnttt ntgtcgtact cnentnnatn attcntngtn 660
ttagtcantt ttctttttan cttnantgnt cttntctntt ccccnattt cttttntttn 720
attntanna aanncatatt tnttanntnt atnctctctn ctcccttaa ttaactnact 780
cnccnccctn cntntttagt nc 802

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<210> 2030
<211> 822
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(822)
<223> n = A,T,C or G

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<400> 2030
ngtgacattg aaggntcngc caangaaaac aagttattaa taaaaatag tactgaatat 60
gacagtacgc attaggaatg ctgtgntnna atgcataaac atgtttacag tgggtccacat 120
gtgccaggag atgtgggaat ggctaccntt gaaaaatgct acttaaatgg ggtcctcatc 180
gcacaccata cacanacatc atctcacaaa tggattaaag acacttaaga cctgaaacca 240
aaaaaactcc taggagaaaa nacaggggaa agctccatga catcnagtgt ccgncnagga 300
tttttttttt ngacnntnac ncctatngaa anaannatnc catacntatt ntncngnncn 360
aatccnatnn ncnggaaang ccttttataa gcaatttngc cnttttttng aactntatgc 420
ataactttgn ncnaancntt cggacaaaan tggtaantn gttntccaa ntntaaacc 480
cctcttattg gaantggtn cccacaaaaa atccctngga aaaccnctt naataaaacc 540
tgganngtnc cccangnccc aaaggccaca annggggct caanggccct tgnaaantcc 600
cnaaaccana ttttnggaaa ggnnttgann gtccggnnnn gnanntgncc cggaaaantc 660
ggngannngt tannnaaacc cnnctntnt cnaananntn ggggnnaaan cccccgtct 720
ttttatntaa aaaattacca aaactcnatt taggcttggg gnggggggg caanntngcc 780
ctgngggggtc cccaaatcna cntggggaag ggnntnaaac cg 822

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<210> 2031
<211> 674
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(674)
<223> n = A,T,C or G

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<400> 2031
nctttcggga tctgcacgan ntttnntca tctggttttt gcatgtttga tgtgtttgtg 60
tgtgtgtgcc gtttacagt ttaactgata ttaagtgaag atagattaat gtcacccagg 120
ttttacaaaa tcaaagaaat agaaataatt ttaaagactt ttggtacttg aattactttg 180
ttgttttctg gtcatttagt acatttatgg aacctcagaa ggtttgagtt gaacagaggc 240
aagttacagc agtttttttg gtgggagaat tcataagtca gcatgtgaat cttttgatct 300
catatatttg gagtggatg tcattaattg tgtttgtcac ggttaaggaa tagagaatta 360
atctccatcc cagtcttgct attcttctga aagccttag ctgccgacac catgggcata 420
aggaggtatc tcttctggct tctctttggg tgtggtagct aagttacagc ttaccttggg 480
aagatgagca gcttgaagc aacaaaaaaa cagtatagtt aacaaatgca tcgtcaacaa 540

```

```

acaaaacaac ccaatcaaaa aatggacaac agctttgaat agacattctn caaaacaaat      600
atacaaatgg ccaataagca tgtaaaaaga tgctcacatc attaatacatt agggaaatgc      660
caattaaaat cccg                                     674

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<210> 2032

<211> 698

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(698)

<223> n = A,T,C or G

<400> 2032

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tntttcgaac tatgttagtt gtnccacacag gtgcaggccc tgggtgcttga tgggtccgagg      60
ccatctcctg ggccgcctgg cggccatcgt ggctaaacag gtactgctgg gccggaagg      120
ggtggtcgta cgctgtgaag gcatcaacat ttctgggaat ttctacagaa acaagttgaa      180
gtacctggct ttctcccgca agcggatgaa caccaaccct tcccagggcc cctaccactt      240
ccggggcccc agccgcctct tctggcggac cgtgcgaggt atgctgcccc acaaaaccaa      300
gcgaggccag gccgctcttg accgtctcaa ggtgtttgac ggcatccac cgccctacga      360
caagaaaaag cggatgggtg ttctgctgct cctcaaggct gtgctgtctga agcctacaag      420
aaagtgttgc tatctggggc gcctggctca cgaggttngc tggaaagtacc aggcagtgc      480
agccaccctg gaggagaaga ggaaagagaa agccaagatc cactacccgg aagaagaaac      540
agcttatgan gctacggaaa caggccgaaa aanaacgtgg agaanaaaaaa tttgacaaaa      600
taccacagaa ggttcttcaa gaanccacgg gacttccttg gtnttggagc ccaataaaaag      660
aattgtttaa tttcttcaaa aaaaaaaaaa aaaaaaat                                     698

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<210> 2033

<211> 673

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(673)

<223> n = A,T,C or G

<400> 2033

```

ttttcgattc ggcaagagct taatgttttt caattgctca acgaactgtc agccctgtca      60
gatatcatat atctggtaaa attaccctt aggaatgagg gggaaataaa tacatactag      120
atgaaggaaa actaagagag tttgttgcta gcagacctac cctaaaagaa ggctaaagaa      180
agttcctggc tgggtgcagt ggctcacgac tgtaatccca acactttggg agactgaggc      240
ctgccaagct gaggccaggt ggacagcttg aagcctggag ttcaagataa ccctgggcaa      300
taaagggagg cctcattctc tatttaaaaa aagaaagtcc tgaaacataa aggaaatcat      360
aaaagaagga atcttggaat attaggaaag aaggacaaca ggaaagagca aaaatgtgac      420
caaatacaag accgggtatg ttgactcaca cccgtaatcc caacacttag ggaggttgaa      480
gcctgttctc aagaccagtc tgggcaacat ggcgagactc ttgtctctac aaaaaataaa      540
ttanccangc gtggtgtcgt gtgcctgtag tcctagttag taaaggagcc taaggcagca      600
agattgnctt gccaggaat ttgaggtatt gngagccatg atcaatggca ctgcactncc      660
cctgggtgga gnn                                     673

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<210> 2034

<211> 677

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(677)
 <223> n = A,T,C or G

<400> 2034
 ttatccactc tcaccagcat aatgggaccc agcatccctg ccaaaaactcg ggaggtgctc 60
 gtcagccacc tggcatctta caacacatgg gctttacaag gcatgtatgg agtttcttgt 120
 gggcttgcca ggtggctgtg aaggccatca gtgtctgaag cctgtacttg cccctcccca 180
 ggtcctgtga gtggagaggc acagagtgtt ctgggctagc tgagtgtgga ggctgggtgg 240
 ctctgatgct agccaatcac tctacgctct aggcacacac ctttccacct tcgacttcgc 300
 cagcagaagt cttgagttca atctcattgc gatttgccaa gttcgggtca tgtgtctcac 360
 ccaatcacta gactgggtgc ggaaagctct gatttgccaa gttcgggtca tgtgtctcac 420
 taggtaagag cagaggagga tcacccccag ggaagaccag agtgctcttt caagaagagt 480
 gggacaatcg ctggatggct ctttgcacca ctactcctg ttctctgcta agggcttgct 540
 gggactcaca aaggggtaag gttgtggcaa ctgccctgtt ttggggttct tgactttggc 600
 ttgtgtccct gcagggaatg aagtttgtan ctgcccactc aanntccatg gngctaacct 660
 tgggcctgaa tganctg 677

<210> 2035
 <211> 670
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(670)
 <223> n = A,T,C or G

<400> 2035
 ttatcaattc agcncgagga ctctttnttc ctttgcattt tctttctcag tctgatctgc 60
 ttcttgactt cctggaaacc ctccaaattt cttgatttct aatggcactc tttctagatt 120
 tctagccctg tacgataata ttctttcatc atttcagtgg gcttttggag ggaggcggag 180
 atccagggtga tctgtctaca ctattcagtc agaaagctgg atggtttttc tcactgttta 240
 gctgtgactc atacttagaa agtggtttta atgtgaatat cttagtctctg gttgtacaat 300
 tgaggtaatc ctcaattcag gttgctgtct ggacatttca tgactggatt taaaaatatt 360
 ttttaaggcca ggtgcgggtg ctcatgcctg taatgccggc actttgggag gccgaggcgg 420
 gtggatcacc tggggctggg agttcaaggc catcctggcc aacatgctga aaccccgctc 480
 ctactaaaaa tacaagact atccggcggt ggtggcgggt gcctgtaatc ccactactgt 540
 ggaggcagga tggatcactt gaatcccgga ngtgggggtt gcaatgagcc canaaccgtg 600
 ctgctgcctt catnctangt gactgagcac tacttcattc taaaaaaaaa aaaaaaaact 660
 cggcctttta 670

<210> 2036
 <211> 682
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(682)
 <223> n = A,T,C or G

<400> 2036
 ttttcatgga atttactttt cttctagact ttcttttgca atggaacgtt gctttgtgtg 60
 tgatttgggtg gaataacaac caatacacia tgagcagtct aatgtgtagt catttgggtg 120


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tctgtgttca agtgtgaaat ctctatcagt gcccaatagt aagccagggt ctgcttttca 180
tatagaaaat gggtgctgac agaagaagat gtggccgtac tccagggtgg ttctctatgg 240
aggcttgtga gagtctctat acagcatcca tgaactgccac cggcacttcc aataccatta 300
gttatcctgg taataagagt ctcaactcaa agtagcaacc ttacaagtta attaaattgg 360
tcatttcagc tcattgagct gtggtatctg tcacctcaa aatgcagagg cgctccaagt 420
cttgcacctc cttgcaatgg taacatttgg gtgagctat aaatgaagtg agaaaacaag 480
cccnnnnaan gaaaaaana naaannangg gaaaaaaaa aaannanaan ncccccccc 540
nttaaaantt nngggggggg gtttttccng aaaccncnt tnnaaaaaac cctttgggng 600
nanntgggcc anaccccncc ntaaaaanan nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 660
nnnnnnnnnn nntnnnnnnn nc 682

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<210> 2037

<211> 670

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(670)

<223> n = A,T,C or G

<400> 2037

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ntatcattcg acgaggggcaa aggaactaaa gaagcctaata gaagacatgt gcttagcaga 60
ccaaaagcct ttgccagagt tgccctcgtat tccaggactt gttctctctg gaagtacatt 120
ttcagactgt ctcatgggtgg tgcagttctt acgaaacttt ggtaaagttt tgggctttga 180
tgtgaatatt gatgttccaa acctgagtgt tcttcaagag ggattgctaa atatagggga 240
cagcatgggt gaagtacaag acttgcttgt gaggtctctc tcagctgctg tatgtgatcc 300
aggcttaata acaggataca aggctaaaac agctcttggg gaacatttgc tgaatgttgg 360
tgtgaatcga gacaatgttt ccgagatttt acagatattt atggaagccc actgtggaca 420
aactgagctt actgaaagtc tgaagaccaa agcttttccag gctcacactc cagcacagaa 480
agcttcagtc ctggctttcc tgatcaatga actggcatgc agcaagagtg tggtcagtga 540
aatcgacaag aacattgatt atatgtcaaa cttgaggaga gataaatggg tggtagaagg 600
aaactncgca agctcagaat cattcatgct aaaaaaacag caaaaaaaca cttcaggtagg 660
cattgatctt 670

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<210> 2038

<211> 677

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(677)

<223> n = A,T,C or G

<400> 2038

```

gttcattcgc acgagggggg ttcaagaacg tgccctcttg gaaggacgtc cgctacttgc 60
acttccctga aggcacccgg gactatgagt ggctggaagc actgcttatg aatcagacgg 120
tgatgtcaaa aaaccttttc tgggtcaggc acagaccca ggaagctttt cgggaagccc 180
tgcacatgga caggtacctg ttgctgcacc cagactttct ccgatacatg aagaacagg 240
ttctgaggtc taagacctg gatgggtccc actggaggat ataccgcccc accactgggg 300
ccctcctgct gctcactgcc cttcagctct gtgaccagg gtgcttctat ggcttcatca 360
ctgagggcca tgagcgcttt tctgatcact actatgatac atcatggaag cggctgatct 420
tttacataaa ccatgacttc aagctggaga gagaagtctg gaagcggcta cacgatgaag 480
ggataatccg gctgtaccag cgtcctgggc ccggaactgc caaagccaan aactgaccgg 540
ggccanggct gccatggnct tcttgctgc tncaaaggcac angatacaag tgggaatctt 600

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tgagactntt ttgncattt nccatggntt anactaaact tcaagccctt taggaagttc 660
caagggaaca ctttgaa 677

<210> 2039
<211> 677
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(677)
<223> n = A,T,C or G

<400> 2039
aggtgagcct agggacccat ttctcctcct ttgacagggg catcagtggg gccttctcag 60
acccacaggg gtccttggtg aattttgtca tggttattta aggaaccttg cctagaagtc 120
ccaacttgca gttccccatc gacgggaagg cttggactcc aagatgatta taaaggaata 180
tcggattcct ctgccaatga ccgtggagga gtaccgcacg gccagctgt acatgataca 240
gaagaagagc cgtaacgaga catatggcga aggcagcggc gtggagatcc tggagaaccg 300
gccgtacaca gatggcccag gcggctctgg gcagtacaca cacaaggtgt atcatgtggg 360
catgcacatt cccagctggg tccgctccat cctgcccagg gcagccctgc ggggtgggga 420
ggagtcttgg aatgcctacc cctacacccg aaccagggtc acctgtcctt tcgtggagaa 480
attctccatc gacattgaaa ccttttataa aactgatgct ggagaaaacc ccgacgtgtt 540
caacctctct tcctgtggaa aagaaccagc ttgacaatcg acttcatcga catttgtcaa 600
aagacccttg ttgcccaca accgaggtnt taagaacaga aagaaggacc cccaagcttg 660
ttncaagtnc aaccaaa 677

<210> 2040
<211> 686
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(686)
<223> n = A,T,C or G

<400> 2040
ttttcgattc ggcacgaggg gaaaacaaaa ggtaannnga ggggtgctgg gagaacaaat 60
aggaagaaaa gggaaaaccc agaaatagta attgttagta cccctgctac ttgactgttg 120
aaaatgcttt aaaagtgtgt tctgaattan gagaaaaggc gctccctcaa ccaggctgaa 180
actaccacca gtgttggtgc cagaaacctg gagcaggaag gagctgcttc tcccctccgc 240
cttccagtca cccaccatta atacctgcta ttggcaaggc ccatctggat ggcagatggc 300
aaagcancct ggaaagtggg gtttaccac ttctacctcc tacagtatat agtgagcac 360
agcnaantgg aaaaggaggc cgggcgcggg ggctcacacc tgtaatccca gcaatttggg 420
aggccgaggt gggcanatga cctgaggcca ggagttcaag accagcctgg tccaacatgg 480
tgaaaccctg tgtctactaa aaatacaaaa attaaactnaa cgtgggtggg ggtgcctgta 540
atccagctca ctctggaggc tgaggcagga gaattgcttg aaccggggag ttggaagtt 600
tgcaatngag cccaaggtca cgccactgna ctttcannct tgggcaacaa agccanggaa 660
ntncntctna aaaaaaaaa aaaaaa 686

<210> 2041
<211> 710
<212> DNA
<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(710)
 <223> n = A,T,C or G

<400> 2041
 tnncggntg acnttgccca tgatgggtgcc tnccctgat atctggagag atnataaaat 60
 acattacagt tagagtcaac aatcaccact tgaagaaatn ncttnaacac aaagcctgat 120
 aaaatttaca tctggtaaata gtctattttaa gctactgcga aacacatata cttaaaaaaa 180
 aanggccttt tcattgnctc aatgtcttga aggctggaga ttgtaaagca cttccctaaa 240
 gttcctatga gcaggatgag gctatttgcc tttatagagc tntagaacta ataagcaatc 300
 aaaggggatt ttgaaaaaag cctataactt ccaaagtgat aaactgngga aanattcatt 360
 ggacctgtcc canattanct gaagtatcca gatgctaaag ctatgtgtta naggccaant 420
 acgngggctc atggctgnaa tcccncactt tggaaggccc gagcggnccg gatcacccctg 480
 aggtcgggag gncganacca ctcttgacca acatggagaa aaccccgnt ctactaaaaa 540
 tncaaaattc tccanggcgt ggggtggccgc atgcccttta aattctnnag cttcttnang 600
 gagggcttga ggccaaggaa aaatttgctt tgaacccccg gaaanaaagg gaaggtttgc 660
 cggtgancn taaaataagc cnccanttgg cncntcccaa cctggggcc 710

<210> 2042
 <211> 1022
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1022)
 <223> n = A,T,C or G

<400> 2042
 cntntcgaat tgggcacgag aattgatttg ctacntgccc tagnaatgat acacgtatgc 60
 ctacagtattg ccaccaagnt accnctgtgt tcttntaana atgagncntn aaggggggna 120
 nttttgaaan ngtaatanaa aataccnnaa natgtncnan gntatnaaaa ngagtannann 180
 cccnantaan acaaanantt gtatatnttt tcttntntnt tncnnntga nnnnncgnnt 240
 aanttnnnna gcntncaact ntannngtgt nancnttct atannngtna tatnnattng 300
 ntaatcnttc attttanaca acttatataa nagntcantt acntatggan nnatnttant 360
 nnntntntta ttaancagnc ntanaanncn nnnnnnagnn nntnnatntt atttntnctt 420
 ggtntcngtc tctaagtgtc tannngcttga tnnaccnatn attnnnncnaa tttatgttna 480
 tcttnttcat acnaatnttt tnnannnaca ngtcantaat ncattttcta ttngtncnaa 540
 tanntcttca ctannatnca tnnantntnn ntacatntnn atntcngtgn nctcncnta 600
 ctntntnatt tnanngnat nganaggaca ttatnttatt tnnnaattcn tncntntgtn 660
 aacaacanga tataagtntn nttataanan tcccnatncn tagtntacga natgagatta 720
 ttagctgtgn gntangatnt attntntant atanacncat ncaacnttct gctannntann 780
 catcagtnta tncntntnt catcgcgcta cctctntnnc cacaantanc nctatngtnn 840
 nnntatntcg caatatatac atacncttc aacatncacn gnctaannga antttcantc 900
 ttcgantanc atnnnnnaatt ntatctntcn cattttatca cgatacttct cnacnctgtc 960
 atnnnnnantn ttncaatatg ntntgctaca ntnganaacg ngntatnctg gtcacatcnn 1020
 cg 1022

<210> 2043
 <211> 681
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (1)...(681)

<223> n = A,T,C or G

<400> 2043

tnttttcgaa	ttcggccgag	aattgatggc	agtgactgcc	ttcggctttt	tttctgctga	60
ctaagatctc	ctatagagag	ctacaacaat	gcccaaaaga	aaggctgcag	gtcaagggtga	120
tatgaggcag	gagccaaaga	gaagatctgc	caggttgctc	gctatgcttg	tgccagttac	180
accagaagtg	aagcctaaaa	gaacatcaag	ttcaaggaaa	atgaagacaa	aaagtgatat	240
gatggaagaa	aacatagata	caagtgccca	agcagttgct	gaaaccaagc	aagaagcagt	300
tgttgaagaa	gactacaatg	aaaatgctaa	aaatggagaa	gccaaaatta	cagaggcacc	360
agcttctgaa	aaagaaattg	tggaagtaaa	agaagaaaa	attgaagatg	ccacagaaaa	420
gggaggagaa	aagaaagaag	cagtggcagc	agaagtaaaa	aatgaagaag	aagatcagaa	480
agaagatgaa	gaagatcaaa	acgaagagaa	aggggaactg	gaaaagaaga	caaagatgaa	540
aaaggggaag	aagatggaaa	agaggataaa	aatggaaatg	agaaaggaga	agatgccaaa	600
gagaaagaag	atggaaaaaa	aggtgaagac	ggaaaaggaa	atggagaaga	tggaaagaga	660
aggngaagat	gaaaagaggn	t				681

<210> 2044

<211> 649

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(649)

<223> n = A,T,C or G

<400> 2044

ngagaactan	gnnantgana	nnnnnnantn	nantgncctn	tcngnatgcn	nnacagggca	60
gagaggggac	gtcagcccca	ggccctccca	cacctcatgt	gcagttctac	agcacgggca	120
caggcactgc	ctacacagag	ccaacctctg	agccagagcc	cctccactgt	aaaatgagaa	180
taagcactca	ggatggttgt	gaggattcac	taacagactg	agaagaaatg	gtgacctagg	240
ctggcacatg	ggacactccc	caagatgctc	cttttccatt	tcctcaagc	ccagagtaaa	300
cccttctgac	ctccttggtg	ttcgtgacag	gccattccag	tttaatttca	cttcagatct	360
tgaaatgtcc	aaattcttca	cctggaggat	agaaaggaaa	tctcaggata	agtttgttgg	420
cctcatttga	agaaaagtac	cttatagaag	agccataaga	atgacgtggc	tttcattcac	480
tcagcagata	cattgggacc	atctcttggt	ccacacttga	gcttggttan	gggtacanga	540
natggggctn	ggcacnctgg	gaactaanga	ggtctgaacc	cacctggggg	atggangact	600
gnctggangt	ggaggccaaa	ctgaatgaat	cacacaggct	aagtgggga		649

<210> 2045

<211> 654

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(654)

<223> n = A,T,C or G

<400> 2045

ttgncnattc	ngcacgaggn	ganatnnaag	gntagggcna	tgnagangag	gaaatgaagg	60
ctaaagggtca	tatatctaca	aagtggggag	gtcagacttt	gaaccacaaa	cctgactgtg	120
gagccacttc	agtatactct	ctcccataa	gaaagttcca	atagaaaaaa	aatgctactt	180
aagttagggaa	atcacaaaa	aagtggccaat	gaacaataaa	tggtcaacct	cactacagtt	240
aaaatgtata	ttaaagcaag	agttgagatg	acacttttcc	ttataaaaca	gacagggatt	300

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cagggacatt gggactctaa tgctgctggt aagacatgaa taaatacata ccatctctgg 360
caatcaatac cagaagcttt aagcattgcc ttttgacttt gaaattgtac ctggaaatgt 420
atgtttcagt aaccatcatg aatgtcaca aatcctgaaa ctcttaaaac tgatgtcaca 480
ggccaggcac agtggctcat gcctgtaatc ccacactttg ggangctgag cgggtggatc 540
gctganatcg ggagttcgag ancacctgac aatatggnga accccgctnt ctaaaaatca 600
aaacaattac tggngtgngg ggatgtgcct gngnccaact cttggagntg nang 654

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<210> 2046
<211> 708
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(708)
<223> n = A,T,C or G

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<400> 2046
ntttcgattc ngcngagag atggctctta agacactcaa taaatatact tattgaatta 60
gtagaacttt tcccatgnat ctccatttac tacattagga tctttgttcc cttagtgtgt 120
ctttagcctg tgctctcaca agctttgtgg tgctgtgtgg atcacaggat cgtttaagat 180
aaagatactt ttagctcttt aattctggta ttctattatt ggtacaggga acccatacat 240
tatcttaatt tcagagtaac acacgtctcg gcatgggaca gggggtgtcc taatgaaaag 300
agggctaaca ggtggaatac tgactatgtg caggcactgt ataaagcaag tagtttttaa 360
atcccatctg cagggtgagga aaccaaggct caaagggtat aagtcattgt ccaaggctat 420
gtagttgtta atgagtgaat ctgggtttta aaataaatgt gttaaattcc aggggtgata 480
tttgactggt gcatttatnt acttttatnt gaattttttt tttttgcant ttactngcn 540
gccanaattt ntcntttgtt caaccaccaa aacatttttg gttccccact tggcttttnc 600
cactttggcn ttccctant ttacanaaa ngggggggga aaanaaaacg nggggggacg 660
ggatntnta aacccctgt nanaggancc acaaggggna ttggcttn 708

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<210> 2047
<211> 676
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(676)
<223> n = A,T,C or G

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<400> 2047
gttcgtaccc ccatacnctc cgtccccgc cggcctacca ctatctagac acctcctgcc 60
ctctccatat ggctccgggg gantgtttcc ctccctagnc cganttctcc aatnnacagc 120
aacttcctgc ttctccagca agtcgcataa gaagaactgg aatcttgaca ctacaactcc 180
tgacaggacg cccctgcggc atccagagac aggaagcca gtgctgctct gcatgttcag 240
ggcgagtagc tgagagtctc ctccggcct ggatactgag gaaggtgact tagactttct 300
ctccgtctc tgagtcgtaa cggacggaca cgcaagggcc gaggaagggt acaagcagca 360
gcgactagaa ctgatctggg tgagatctag gcctcagcaa caactgacgc aaaaagattt 420
tgttctagga ttggctacag ctgaaactac cgcgcttgat tcaaagctcg gggcttgacg 480
cgggaggcag ctggctctc ctctgaaccc gcccttttg ctggcccaat ccgctgatcc 540
catctcttta ngccctgcc caaacttcca aatctaccag aattaatgct tccagcgctt 600
gtttgacca ctctgccta tgatttgntg gggngactaa ctactccggg ggggggnccc 660
gcnattagaa cgcttt 676

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<210> 2048

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<211> 656
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(656)
 <223> n = A,T,C or G

<400> 2048
 tatccacac ctgctgtgct gggaaggccg aggatggggg cccagcactg tccaggcctg 60
 ctggggcctg gctgggagtc ctgtgggcag catggaacat gcagctgggc ttcctgtgac 120
 caggcaccct ctggcactgt tgcttgccct gtgcccctga ccttttcctg cccttctcct 180
 tcctctgctc ccttggggct accccttggc ccctcctggt ctgtgcaaac tccctcaggg 240
 agccccctg ccctgtagct ctcaactaac ttccctaggg ctgtgagcc caccagagg 300
 ttgttgagtg tcagcggggc agcttgcttc ccttgtcagc aggggcgtaa gggctgggtt 360
 tggccataca aggttggtta cgcctcaat ccctgaccgt tccaggcact gagctgggca 420
 cccacggaag gacatgctgt ccnactgtg atgactgcca ncacaaggca tctcgggctt 480
 ggctgggtct gcgagcctt gccctgtgga actctgggtt cctgttttct catctttttg 540
 cggcttttgc tgtgggtggg anctgccgta ttcagcttgt gtcggncact aaangaggct 600
 gtggtgcan catgcaagaa actgccttgg aatgggccct ctctgggctg gcctcn 656

<210> 2049
 <211> 669
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(669)
 <223> n = A,T,C or G

<400> 2049
 tttcnttggc ntaggaccan tgacttccct gcacgttcag ctttctcctt tgtgaaatgg 60
 taatagaagc acgctgcact tgggattctn gtggattaca tgtgagggtc ttagaaacac 120
 ttgatgtgta agccaactat tatgtattac tgtatatgga acacaaggga ttagcctaaa 180
 actaaatgca agtttgtgcc tcagatgtct tcctatcaga acagagtcaa atccagattt 240
 tgatgcttaa atgtgacagc ttattcagat ttagaaaaac ttttggatg ggccaaagaa 300
 aacatatact taaggggata tggcccctag gccctcattt tccttttctg ctgagcaatt 360
 aaaaaagca ttaagtaaatt tccacaaatt ctttgggaata cctagagata aacagatata 420
 atgttaactg tatgataata agttagaata cttgcaacaa aatgcagagt tttctaggaa 480
 aacaagtaat cattcagaaa taagaatatg aatagttcct cagttctccc cctttgtgga 540
 atttgtgcag taaatgctgc tccaaagctc tgtggaaaac agaagcttnc catgaaaaat 600
 ctgacaaggg tatctctcaa aaagagagct gtaatnccan cactgtggga ngctgagggtg 660
 ggagtattg 669

<210> 2050
 <211> 674
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(674)
 <223> n = A,T,C or G

<400> 2050

natcgcgcg	gcggtggtg	cttgtggtg	ggcctcacca	tacaggaaca	gggcagacgt	60
tagcgtgagt	gactactctc	aatccccggg	acctggtggc	cttagtcttt	caggtggaac	120
ggtgtgcgac	atgggaaaaga	aaaccaagcg	gacagctgac	agttctcctc	caccctgac	180
aaccactcac	cattttacta	cttctatctt	tttgactttc	caagaatgtc	ctagagtgg	240
agtgttacag	tatgtgggtt	tccagactgg	cttctttcta	gcattatgta	ctttaagttc	300
cttcatgtct	tttcatggct	tgataacttg	ttttttaaaa	tcagtgaatc	agatttcctt	360
gtatggctac	aacagtttgt	ttattctttc	gcttggtgaa	agacatcttg	ggcacttcca	420
agttttggca	atgatgaata	aaattgctgt	aagtatttct	gtgcaggatt	gtgagtgaac	480
ttaagttttc	caaagtgact	gtaccctttt	gatttccact	agcgatggaa	agttctcggt	540
gtcctcatc	tttgacagca	tttgggtgtg	cacctttttg	aattttaacc	attctaaaca	600
gcttatctgc	ccctactgng	gaatgatgtg	acagacatag	aatacactta	cngtggattc	660
tagttcaaaa	tgag					674

<210> 2051

<211> 673

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(673)

<223> n = A,T,C or G

<400> 2051

ggtcgnccta	tcctcccccac	ctgttagaat	tctattttatc	tttccagtct	tagttcaaat	60
accacttggt	tctatgaaac	tttcttaact	ttccaacaca	aattcacctc	ttcattttctc	120
tattccctta	gcagtttgct	cataacttta	ttatataatg	attgcactcc	aacttggatc	180
ttagctaatt	acgtacctgc	attccacact	agactgcaaa	cttgaggaag	atgggtgctg	240
tggtgcccct	caaaccgtat	gtgcctccca	taggacacaa	gagttggtta	tgagggtgtt	300
gtctagatga	aattatatag	catctatcct	tcttgaattg	gctttttgcc	tcagcacagt	360
tccggggaga	ttcagcgagg	ctgtggtgtg	tactaatcgt	tctttccttc	ataaccaagt	420
ggtgctccgt	ggtgcanagg	tgctgcatgg	taaccatcca	cctgctgagg	gactcggtgg	480
tcccaatttg	gggctattct	aaaataaaac	tgggggaaca	ttcatacaca	agattttggt	540
tggaacataa	gtcttcattt	cttttgggat	gaatgggcan	gggttcaatt	tttgggnctt	600
atganaagna	tatgtttaag	ttttaaaagg	aactctcaaa	ccatttttnc	gaacaaaatt	660
tgacattcac	agt					673

<210> 2052

<211> 1282

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1282)

<223> n = A,T,C or G

<400> 2052

taaaantanc	canntncaat	ttnnannnnn	angnncatnn	nnttggtcac	nttantantn	60
naccatnnta	cnttactcca	ntnnnnnnac	aantattact	atatcacatc	cacgagtatc	120
actaanncac	tcatcacann	gcgnagnacg	nctnaatgcn	ntatcaanna	ttatattnat	180
ctannntcnc	atnatanana	canganaga	acananncnc	atnnantnat	acatanantn	240
tctatananc	agatagntna	anaantgggg	ntgnntacc	nacngtaccn	ccnntcctcc	300
tttgacaggg	tacatcantg	gagccttctc	agtaccacaca	ggggctcctg	gtgaattntg	360
tcatggttat	ttaaggaacc	ttgcctagaa	ntcccaactt	gcagttncnc	atnnaaggga	420

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aggcttggtac tccaanatga ttataaaang aatatttntt gncctttgtt tangnntgca 480
cttgancntc ctnacgntna ctcttcncta gatncnnnnn annagccna accnntcacc 540
ntnatcntcn ngantcngan nntctacact ctncnattca atnttcgna ntcntnggac 600
acgntgntag tctanttag ctttntnat tnnncnana tnancantan tctnnncang 660
tnnacaatnc cccaaatcna gngtnatang antttnanc cmttnannnn aaantnaanc 720
acnncttnc nncatattan ntannnaann tataatatat tnnnacaagn ntacctatta 780
ncanattatn acacnactng nnaccccata tatctatncc ntacnnntca tanttctaga 840
caatcttcan cmtattacn catcatcanc ctatgtcnc taancttatn atnntcanag 900
actannatta anttanagan atcntataca tatncnatcc tcanctaate atatgnnann 960
nactctncan catnngntca tacttntacc atatacaactn natcnntnag ttngnangga 1020
tantntaan tntccanac nantnnanac anactctact tcntatntnt agatctnaca 1080
ancgtttact acanatgntc acatncnnan ctncgaaat cnttccatnc actntacgna 1140
ttctccnnat atattctaca tactcacaca cacactncat anacacatnn ctctctata 1200
catttcatac atanatantt actcncctcn atcccnttng ncannnacct ctncatctac 1260
gtatcgctca nactctttct cc 1282

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<210> 2053

<211> 726

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(726)

<223> n = A,T,C or G

<400> 2053

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tttcattcnc ncgagggtat canaagccaa gcccgagctc aggtgttttg attcacagcc 60
ctttataacc attatcattt tgaatgaaaa gtaaatcact gnttcttagt gatttgggca 120
tgtttcctga gttaagggtat ctgtctgaca tccgtggtaa gcctgtctt angtganttg 180
nggntaaana cttgtcccag atggagtggg aggacatgaa ggatgaggaa ctaccttcag 240
gaccttccag tccataggca gaggtggggg aaattcacag aaaaacaaat gagttaaagg 300
gatactgcag tagtgctggg aaattcagag ctgtttaaga cctancattn cccctggtag 360
gaaaggcaat caaacacaca tctgactgtc agactgcaaa gttctacagc ggaagaaaga 420
aaagggtgat tgtgaaatga atagactttc cacagaggaa gcagaataac cagtggaggt 480
ggggagatcc ncatthttggg gaaaggaaag agccatgaaa aaaagaaggt agaggccnca 540
aaagtaccaa ggggtgtgctt caaanaaaan acttggggac tttttgattg tgacttggga 600
cttgggantt gaaaaaanggt gccantngga anttggnaag gggttnggga aggntgaaan 660
anttgaaga nccangaaan gggggaaaat tggggagncc cnccccaggt ggaagccnc 720
ccttcn 726

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<210> 2054

<211> 640

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(640)

<223> n = A,T,C or G

<400> 2054

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nnnnnnntag acnttcccat ggtggggcct ggcctcctc ttgaccaaag ctgctgtgtg 60
gcagctcggc ctctctacga ccccatcttg gtggctgcac acttttcctg gcccgacccc 120
ccatccccag tccctgttcc ccaagaggat acagagcacg gtgctggctg actcaactgt 180
gcgtcccagg ttcagggtct tacagagctc caccctctgg ggtcttacct cactgggaat 240

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gtgttttgaa aatgaatttg gagacaagcc aacaaaccct gcactccaaa aaagcaaaac      300
agaccctaat ttttttgtgc caaaaactgt ggacatgctg gctcagcatc ctcaggacca      360
agttgttgct taatttattg ntttttaata actaatccag ataaaaaaag ttgtggggct      420
tcaaggggtga cctgggcccc aaggttctga agggcagtnn ctggcagccc cagcttgctt      480
gtgggaangg gccgtgccgc acttttcata ttccatgggg nggtctgctg ggccaactct      540
gatgagaggc anggtgggga cagtccattt gcaccctctg ccttcaccac cacttatgtn      600
tgctgaatgg gatcggnacc atggtatgng gactgggaac                                640

```

<210> 2055

<211> 692

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(692)

<223> n = A,T,C or G

<400> 2055

```

ttntcgattc gcacgagaat tgatttgcta catgcttaaa atgatagagg ttgctcagca      60
tttttgagtg acaagggggg cagagagaca tgtgatgaaa attacagggc gagtacagag      120
attagaagg gaacggggtt taatgcgagt atctttgaca gagtcttgct ctgttgcccc      180
tgctggagtg tagtggtgct cgctgcagcc tcacattcaa aggtcgaagc aatcctccct      240
tggcctttga agtagctggg accacaggct catgccacca tccctgggtc atttttaaat      300
tttttgtaga gagggctctga ctcttgccca tgctggcttc aaactcctgg gctcaagcaa      360
tcctccttcc ttggcctctc ctgaagtgtc gggatacagt tatgagccac cacacctgcc      420
aaagtgcctt gtgatactat gcatttgctc aatgcagatt gggaaactta aaatttgaat      480
ggagattatg ttgatgggct ttggcaagtt catttgata gactgggatg anaagctctt      540
gggacttggt actgggcccc aacattccag tattttaaaa taaaaattaa gcccttatta      600
ctcccnttca tnaaaaagcc aatccctatg ggtanggaac atgggagggt ttgggnaata      660
atggcaccgg aaaaggngnc caccttttct tt                                692

```

<210> 2056

<211> 679

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(679)

<223> n = A,T,C or G

<400> 2056

```

tctnaanaat tcggcacgag aantnatttg ctacatgctt aaaatgatan aggttgctca      60
gcatttttgg agtacaaggg ggtcagagag acatgtgatg aaaattacag ggcgagtaca      120
gagatttaga agggaacggg ttttaatgcg agtatctttg acagagtctt gctctgttgc      180
ccatgctgga gtgtagtggg gctcgtgca gcctcacatt caaaggctca agcaatcctc      240
ccttggcctt tgaagtagct gggaccacag gctcatgcca ccatccctgg gtcattttta      300
aattttttgt agagagggtc tgactcttgc ctatgctggc ttcaaactcc tgggtcaag      360
caatcctcct tccttggcct ctctgaagt gctgggatac agttatgagc caccacacct      420
gccagtgtct ttgtgatact atgcatttgt tcaatgcaga tngggaaact taaaattgaa      480
tggagattat gtgatgggct tttggcagtt cattggataa actgggatga aaaactcttt      540
gggacttggt actgggncaa agcattncag tatattaaaa taaaaattaa gccatattac      600
tncactcata aaaagcaatc ctatgggaag gacatggaag gttggggaat aatncaccgg      660
aaaggnggca gctttttttt                                679

```

<210> 2057
 <211> 535
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(535)
 <223> n = A,T,C or G

<400> 2057
 tcacccctgan nctcnanagt cgaccngcan gcntgcaagc tttntnnnca aagaaggggn 60
 gtgctggccg gnnnggattc ccccagccaa actgtctttg ncagcacgtg gggctcactt 120
 gtcacccctc cccaantntc ntaccccccg tntaggtttg gacagccccc ttcggtacata 180
 ggaaggcagg aggggngagn cccctactcc ctcttctactg gggccacagc ccccttgccc 240
 tccgcctggg atctgantac atattgtggg gatggagatg cagtcactta ttgtccaggg 300
 gaggcccaag anccctgtgg ncgcccactga nggtgggctgg ggctgctccc ctaacctact 360
 ttgttttcga ctnaccattc cccctctanat ggnacaatac aagantacct gccgtccacc 420
 ctctgtctct gccagttgt cattcttgta aatacttgaa gtggtggttg tatgcatctc 480
 ancgatgtgt gtcacncaat gtatctatgt ctgctgcagn cctccaaatt tggga 535

<210> 2058
 <211> 682
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(682)
 <223> n = A,T,C or G

<400> 2058
 aaactgcann naagatnctt ccagttcttg gattnctagg tggagtaata ttttctctgn 60
 caaattattt ccatgttatt ctccatgggtg gtgttgccan naatggatcc actatagcag 120
 gncacagtg cttgncacct ggactccaca taggactaat nattatactg gcantaatga 180
 tctataaaaa gtcagccact gatgtgttng aaaagcatcc ttgctttata tcctaattgat 240
 tggatgtgtc tttgctaaag tctcacaaaa attagtggta gctcacatga ccaaaagtga 300
 actatatctt caanacactg tctttttggg gccacgtctt ttgttttttag accaggactt 360
 taataatttt atagacgaat atgntgttct atggatggca ntgggtgattt cttcatttga 420
 tatggngana tactttaatg cttngagcct gcaaatttca agacaccttc tttaantata 480
 ttcaaaactg catgtcatca ancacctgaa caagntcaaa gttcnttctt caaagaagtc 540
 atcagaaata accatgggan tggaaganac ntttcnaac acttgctatc ntnttgctgc 600
 tgetggttcc nntngagggg aaaattaaac catttggtta aattttaatt taaggggtat 660
 tncctatttt caacnaaata aa 682

<210> 2059
 <211> 699
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(699)
 <223> n = A,T,C or G

<400> 2059

```

cntnncnagc ggnanagacn tntccaataa tgnnggatan gcntntacta agnncacaag      60
acttnanngn natnnatngc ngagnatcac tgcncctnan angattacca cgtgangagc      120
tatatcctca gactctagt ctgganaacc tgcaataaa aattaangat ggnctacntn      180
ncttaacatt taacacctgt atggcccnaa aatntnttg cttgctacta tgcacataac      240
taatgactat cttgcgcata tgatacctct ggnccacaanc caaanactgg gtnntncngg      300
gaccngacnt nanntnctag cnnngggcgt tggacacnnt anccttgtgg aaacaataan      360
aaaccattac ntgncccatg nccctacnna cccatgatan gccaggagg ngccagggtac      420
ntgagggtga ctagctacnt gaggtgggcn ncatacntta cttntctact gnagtngngt      480
ttgggtnaaa ttttaaccen nttacnccan tggtagtcat ncngtgatgg ncnatcacan      540
cagcaagnat gantcgaagt agccctaaat gctcnangca acctcttntt ntgaggaaaag      600
accttnactt tntggnggng gnanaaactt tacagnnntt tttgggaacg anttaatgtg      660
ggnctngctt ttttgagaag gccagnctt ncantacca      699

```

<210> 2060

<211> 701

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(701)

<223> n = A,T,C or G

<400> 2060

```

ccagagtcna ggctgagagg atgcaggtgt cctcctagga ggtttgagtc agaaggcacg      60
aggcagaagc agtgggggag gactccctca gtagagcgag gaggaggccc ctcatccaag      120
aggagggttg agcacagggg ggtctagggt tgcaagtttcg ggaccggtag ctgaggggtc      180
ccagggcctt tcttctgtga aggagaaatgt gtccaccgtg gggagggggg cgggagagag      240
agatacttca gaggggacag ggctgagaaa gctttatggg ccgcgaaaagg cagagtantt      300
gttggtggat gagggtgctt gtggcangtg gcgtttcatg tgagacagct cggggcccan      360
aaagacactg ngaggaggag agctcctgct cttcaganaa acaggagcnn anaggaaaaa      420
cangaanccg nancgagccg gcttgnggtc ttggggatga aaccaagnt ttacagcatt      480
ctnttgnctt tnncttgggt ggaggtnggg gggccattat ttctncccc ctggtcttgg      540
gtccttttcc cttgcccanc cnaangggaa aaacaagaac cccttcccc ttttncgct      600
tcaagganta ttccaaaaac tgtccaaaat cttttnnngt tggaanntta aaatttcntt      660
aattccccct tgtantttta aaaannangg tttcaagatn t      701

```

<210> 2061

<211> 738

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(738)

<223> n = A,T,C or G

<400> 2061

```

agnttcgatt ccgcacgaga tacatccacc ttcangcaan cgnaaactgg ncaaccagta      60
tgagaaattc cacagtccaa gggaaagaga agagtatagt gactgaggng ggtctctctg      120
tccaacatgc aggcagcact ccctcatcct gctcagtgag agaattcagg gggaaatagaa      180
aagctgctga gagttggtaa agaggatggt cgagtggatg ggtgttgacc tccctggatc      240
ttatgtcact acatcctgga cctcaagagg gtcacccaag ctttttgaaa gctgaactcc      300
ttgactggag aaacctagac aagaggcggg gccagggtgt tgatatctag gaggcattct      360
tcctcttccc ttgccaccat ggagctgggc acagtaagcc atattgtttc ctgaagcagg      420
agtcccaggc cttggctaga naggggaacag atgtctnaca aaaagagaag caattcgagg      480

```

aattgatgaa	gcacaattaa	aatcctctct	ggctagtagc	tctctggctt	tctgttcatt	540
tgaagaataa	atctttggct	tgacagtggg	aagcaccagg	tttgaaatca	gatggcttta	600
tttttctttt	ttttggcatt	taaatcagtg	aaataaaatt	attactggag	anccacagtt	660
cgatttaaag	agattcctca	ccctgttttt	caaagtcctt	cttttnaaat	tccatgcntt	720
gggggggttaa	nnggnaaa					738

<210> 2062

<211> 743

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (743)

<223> n = A,T,C or G

<400> 2062

antttcaatt	ccgcacgagg	aanatatatn	cntgaaggcc	tgtggcctag	gaaaaggana	60
cactgaggtg	nttctacccc	aacatgtggn	ccgtgctctc	caaactatct	ttgagctgaa	120
cgtccaggcc	tttgacaggag	ggccatggg	ggctgtgaat	gggatgcagc	cccattggtg	180
ccctgataaa	tccagtgtgc	agtctgatga	agtctgggtg	gggtgtggtc	acgggctggc	240
agctaccatg	atccaagagg	gcctgacttg	ggagggcttc	cagacagctg	aaggctgcta	300
ccgtaccgtg	tgggagcgcc	tgggtctggc	cttccagacc	ccagaggcat	actgccagca	360
gcgagtgttc	cgctcactgg	cctacatgcg	gccactgagc	atatgggcca	tgagctagc	420
cctgcaacag	cagcagcaca	aaaaggcctc	ctggccaaaa	gtcaaacagg	gcacaggact	480
aaggacaggg	cctatgtttg	gaccaaagga	agccatggca	aacctgagcc	canaantgag	540
ccgtctgaac	tgtgggaagg	gaagtgtctaa	cagcccaacc	tccaacctgg	ncttttcctc	600
cttccccttt	gaacctcctg	caacctgaa	cccntcagga	caattcatac	ccccttcctt	660
tttttccacc	caatttgttg	ccaattaaat	tgggggggtg	agggntgacc	ntaggcagca	720
ttaagaatca	cttattttat	ttt				743

<210> 2063

<211> 672

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (672)

<223> n = A,T,C or G

<400> 2063

gaanccactg	ctgcgcaccc	tggagatggg	tnggggaccc	tgggctccc	ttaatgttgt	60
tgtggctcca	gatgcctnag	aaataacttc	cagagtcaac	accatctgcg	gaagtgcctg	120
gagacggtgc	atgggctgga	gacagagaca	gccggcgccg	aacatacctg	gggctgcccg	180
tgcaaactgg	ggcaagccct	tcagcctcca	tgtggctgct	ttactatgga	gaacagaaat	240
gactagaacc	tgacttggg	ggttatggcg	aggggtggcat	gagatgagct	ttgtaacaat	300
gtgtttgttt	atgggcagca	aaacctgac	tcattgtctg	ggttactaat	atccaagagt	360
tcatcatcag	cgataattat	tgtcaatagt	cgtaactgca	aaagtctctt	ttaaagctaa	420
aatggatgcc	gggacagtgg	ctgtaatccc	aacactttgc	gaaggccgag	gagggtngga	480
tcacttgagg	tnaggaattn	nagaccggcc	tgggtnacaa	tggcaaacc	cgtntctact	540
aaaagtgcaa	aaattaaccc	aggggtgtgn	gggcaagtgc	cttgtaatac	ccactacttc	600
aggaaggctg	aggcaagaaa	aatnacttta	aacccnagga	agggcggaatt	tttccattga	660
gnccaanaat	cg					672

<210> 2064

<211> 746
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(746)
 <223> n = A,T,C or G

<400> 2064
 acctnecgtt caanaanctt attctccttc tcagcngcgn cgtctgnacg ctnattcctn 60
 natcantatt nngtagacgg nccacccctt tannnacntc gnanncatcc atcacgcttc 120
 agcnnncggn gctntgncgg agnatngnct tntgtnnngc gnttcgnnan gttcctgcaa 180
 aaagaacaag tagattgcca naagaactaa ngttaaagaa cattncttcn anacactatt 240
 aatgggctta ataagcanag gcaactgttt ttgtcanaaa acanaaggaa agaacttntc 300
 canaggataa ttgtggagct tgttgaattt atatctccca aaacccttaa acctggagaa 360
 cttgggggaa gaatatctgg gtcagtggct tgganagtac ccgaggtgaa atgggtctac 420
 anagaaaaga aaccttgttt attccctgtg aaaatgagaa gatttttaaa cagcttcccc 480
 tttgttaca tattgtgaaa gatcgttatt gttnagttt caaatacaat caaacattt 540
 cttggatggg gagaatggcn tgtggaaaat ggaatctnta ttccanaaaa agttgnaaca 600
 gactggcaca tggatttttt tggcccccna anggaangga tcatnttttt cttatttttc 660
 cttggaagtt tgantnttgg gtcaanttgg ccttaaaaagt aantaccntt ttctatttaa 720
 aacaagtntt caaaactttt taaacn 746

<210> 2065
 <211> 1005
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(1005)
 <223> n = A,T,C or G

<400> 2065
 tttnnnnnnn nnnenattnc ccannnnnnn tnnnnnnntn nnnnannnnn nnnnnnttan 60
 tnnnnnnnnn tntnnnnann anntnnnnntn ttntntttna tgtntnennn nnnnnntnt 120
 gcgncgtntn nnnannncnn tgttananan tnnennnnntn nnnennnnnn nnnttcgecc 180
 nccntnccat nnnnnccccc ntacnnennn tttnnnntnt tnnngantnta cagtnggaaa 240
 caatatnttt tttnnncnntg gnggcctccc ttcatttacc tgggtgtttt ggctcaccaa 300
 agagtgtgt tctgcaaattg tctgggcaat ccntggagct aaactggcat tagagtcaag 360
 taacactcct cctctctccc tgttcttttc cttaaaatct tcaaaggcat tgggggtttt 420
 accttagcaa cttgctattt cgtcttctta gtttgaacct tcaaatatag ctggatataa 480
 taaaatgctc ctcaaattgag gaagtaccan aaagaccaga tgcattggtct catgcttccc 540
 ttgtgctggg gcacaagatc taaacaaaaa caatgttgtg tccatattaa agagcttcat 600
 aaatacanat gggagtgaat gaatgattta tgacangtgt taggttgtgg aagcttggtta 660
 gtaatacaca gaattctcag aatcatgcct gtcccgtgga ataaaaanga aaacaacctt 720
 ttctttgtaa gggttagaag atttgatggg gaaaatccan gaaaccatct aaggangcta 780
 aaagaaaaga aanttcttta ttaccccaga atngttngga tngtattttt gccaacattc 840
 cttctcantt gcctggacaa cgataangat ttctattttg gaagaatnaa tgtggnttta 900
 aaatcaagaa attcttgaat tttttcnttg gcanggcatt gaggacaana gtngaaaaaa 960
 aaaatnaatt gggaagaana atccntatnt ggtaantttt tcnca 1005

<210> 2066
 <211> 1022
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1022)

<223> n = A,T,C or G..

<400> 2066

cncctcctttt	cctnnnnnnan	tntctantc	nnnantntnt	nnaaantanc	nnnncnnata	60
tntannntc	tagnnntnt	ttcttctc	catannant	ntntntntnt	ctntgtant	120
nattntnccc	ccccctnact	nacccccct	ctntctnnn	nnnnnnntg	ancntcagtc	180
ngacacgana	ttctgngccc	cctnnncccc	tgnnnnngt	acaatacnca	tggtctgtt	240
cnccanntnt	ccccctgnag	tggtgctnn	cctgcntng	ggaggntttc	tcctaacttn	300
cattcctnna	cttcccgnaa	gcagcccna	acacttactt	atanagccat	ctctatctga	360
attagnanat	catggatnnn	ctcantant	gancatttcc	ttatcagnta	ccaccaatat	420
antattttaa	cactgtctcc	ttttcacaca	cnctagcttn	ctaanancna	gctggggggc	480
tggtctgntg	atccacgcct	gtaatacnan	cantctgtgt	aggngnecgt	gncggatcac	540
ttnangtcan	ggantttgan	acacagcctg	nctaacatgg	ttgaaaaccc	cttctcttct	600
gaanatgcta	aaatatactg	gntggtgtnn	ggcatgctct	gttgatccna	nctacctcac	660
tgtaggctcg	nngcnnnaga	anncccttna	nncccatnng	gannntatg	nttgctattc	720
gngnccatgg	nntcaacacc	naacttngac	ttcctannt	ntnnggggnt	gtatnaaanc	780
tganaatact	cttccncaa	natataanan	antaanannt	ngtccaataa	tcccncnta	840
cngtgacttc	ntntacnctc	tctcncacn	tatcattaca	tctgectnec	ccccanctnn	900
tnaantatat	gaanaataca	ccantnttgt	ntctanattc	tnatteggcc	ccttncnttg	960
gntncacnta	tttantttcn	attntnnaen	ccatattent	tnatcgtntc	tanctenttc	1020
cc						1022

<210> 2067

<211> 991

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(991)

<223> n = A,T,C or G

<400> 2067

tnnnnnnntn	ntnnnnntnt	nnnnnnntnn	ntnctntnt	nnnnnnnnnt	nnnnnnnnnn	60
tnnnnnnnnn	nnnnntctn	tncnntnnnn	tnggnntatn	nnnnnnntnt	ntntntntnt	120
ntntntnttn	nnntccenc	cncnnnnnn	tccccctccc	nnncnnntnt	nnntnnnnnt	180
nagttnacag	taggangngg	aggctcttct	tnacgtgtng	ggacnnncat	cctggggcat	240
tntcaactgc	gtnttcattg	tgtactntct	gatggagatg	ctgctcaagg	tcttnggcct	300
ggtcctgcga	gggtacctgt	cctaccccag	caacgtgttt	gacgggctcc	tcaccgttgt	360
cctgctggtt	ttggagatct	caactctggc	tgtgtaccga	ttgccacacc	caggctggag	420
gccggagatg	gtgggcctgc	tgtcgtgtg	ggacatgacc	cgcatgctga	acatgctcat	480
cgtgttccgc	ttcctgcgta	tcatccccag	catgaagccg	atggccgtgg	tggccaatac	540
ccgtcctggg	cctgggtgca	naacatgcgt	tgttttttgg	ccgggatcct	ggtggtnggt	600
ctactacgta	tttgccatca	tttgggatca	actttgtttt	agaggcgtna	ttgtggctct	660
tcctggaaac	aagcatcctg	gcccctgcca	atggctnggc	gcccctgtgg	gancttttca	720
gcagctggan	tacttggggc	ccaaacaact	tctaataaac	tttgccgggc	ttgccccttg	780
gtccacttct	tgtgggaaa	tttgattggg	nngggtngna	accaacttgg	ccaagggtgt	840
tttcttggga	atgcattntt	ngggcgcttn	cttcnaaggc	ccngnggtc	ccaagaanct	900
taatttttgt	nanttgnggg	gggggnntg	gtggttctta	tttgnacatn	ttnggggnca	960
acctgtttt	tttgggcnc	ttnaattttt	n			991

<210> 2068
 <211> 1054
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1054)
 <223> n = A,T,C or G

<400> 2068

ttnnctntnn	ttctntttnn	tttngtntcn	tctctntntc	gtttgtntnt	nttnnnnttg	60
gttgtngttt	cttttctgtt	cnntnttttn	cccccccc	tncccccc	cncttctttn	120
tnntttngtt	ncagtggang	gtttttnttn	cctnngggcc	cggnntngn	nnnttttttt	180
tctnctntt	tnattccttt	ttngtggtgt	tganncttgg	ggaaannngg	gggnnttttn	240
catgctcttc	nnccactttt	cntttacnng	gcttgccttc	tttgttngtt	tttctttttc	300
ntcttttcta	tctttnttgn	ttttttcttn	nnntnttttt	ntggcngttt	tnctctctcc	360
ncctntngct	ttttntctct	gngtctttnt	tggtctctct	ctcattnttt	gtgnactcnt	420
netgncntng	ttctntntac	tctntctctg	tnnngetat	cttctntnac	ttctatttnc	480
ttnttttctc	tggtctnttc	ntttcttttg	ttctgttncg	ttctcttttt	ntctttttnc	540
tctcttctcn	tttcttntct	ntctctcttg	tcctctctct	ntctcttttc	nnctctnnntc	600
ctnctgtttn	cgtttttttt	ttgtctctct	tnngnttctt	cnncgttctt	gcttctctnt	660
ntnttttttc	cctcttctct	cttncgnnt	ncngtctct	ttatcaagtc	tactntnttt	720
tgntctcttt	tctnttctnt	gnetgcttct	tnnnctctgt	tttctctctn	ttnnctttct	780
ttntacnctt	tttctgttanc	cttctctntc	tnnttcttgg	ctttctcttn	nnnccctct	840
ttngntctt	cgatttttct	ntntnttttn	cgttccattn	ntntctcttt	tatttctntn	900
tcttttattt	ctggntctcn	tncttttctc	tngtanctn	ttcttttact	tcnntttntt	960
ggtnnncttn	ctttttctnc	nnegatcgt	tnntgtctn	gctctctctc	tcnttctntn	1020
tnntgntann	ttntactnnt	ttctcttctt	cneg			1054

<210> 2069
 <211> 711
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(711)
 <223> n = A,T,C or G

<400> 2069

aggnttcgaa	tcgcacgact	tgccctgtg	gggtcttaca	gatgtgtctc	tgagtagtaa	60
aggcttagcc	ttgttctgtt	ttgttgtttt	ttggagggga	aggttagtca	ggcctgagta	120
ttcatgtaac	attctaaaat	tgtgccagcg	agcaccgtga	acgactgcaa	tgcaagcggg	180
tcttgctggc	taaaatgcc	ggtaaagggt	tggttgga	cagcgcttag	tgacgctgt	240
catcatggac	atcataatca	gttgtagaaa	acacgcgaac	ctatgacact	tcttattcca	300
cactgaatgt	gaaattgcat	gttcagatgt	ttactacgag	gcctggctca	caggaagtgt	360
tcagtaaaag	tatgcactgt	tagattactg	ataacgcgga	tagatttttg	tttaccataa	420
attgttccag	atttatatta	atggaaggaa	gtgtgcattt	attaactatt	actcaacttt	480
acaatgcaa	catcttattt	ctcatcttta	aacatgtcga	caagtttaat	tgaagagtat	540
tctgagactg	caaatgggg	tgtaaaaaa	tactgcagtt	acngactgtg	taaaccagtt	600
ctcattgcat	aagatcagat	gtaaatgcat	ggagaggtga	tatgcactgt	acagnattca	660
ctccccattt	cacatnttgc	aganaatagt	cttgtcatac	tgagtgtcta	a	711

<210> 2070
 <211> 825

<212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (825).
 <223> n = A,T,C or G

<400> 2070
 atncttttcg aattcggcac gaggttggtg ttaccgtgtg ccccnngnc ccatgnnggn 60
 ngtgcnnctg ngacacacag nnanncaann anntgtgnca gtctgtattc tggagcnnctg 120
 ctncctgnca nttgatttgt actntantta gnagaagcct gtacactgta gcgtggccag 180
 atgtggagtt cagaggcatg ctcacctggc tgncttttna ntacttacct tatagccatt 240
 nttanactga gagcttnaac tgaacatata atcaaatttn gtgntaagga agtgagattt 300
 tancagtatt tttcagtttt gaagttcgaa accatcccaa ggcataggag ccatagcctc 360
 aactgaaatt gaatttttgt agggactggt aattgccatt tgtacctaat actgnatata 420
 tacatatata taccgtgtgt atatatatat anatatatat atatatntat atntntatan 480
 anatatanan acatatatat atatatatnt atntantaca tanttngtct ntntcantga 540
 ntntacaaga gannnnntnt tcantagaac antcttcaat cnacactcnn ctgtccncnc 600
 gctncgctca ataannctcc taacnatcac ttcanccect ttncntctcn cctngnatag 660
 acnnanaaat ctactcanc ttctntttat catagtcent ttnnatanta naanacctct 720
 nttntancnn atcatcnnn cntnctgtct tngnntanaa cgnnagaaat atctnnacat 780
 cttntcttat ctccaattct tcnnnntnct tacancnng cgnc 825

<210> 2071
 <211> 729
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (729)
 <223> n = A,T,C or G

<400> 2071
 ccnccgancce natnnnanaa ataanattga agatncttcc nnttctngga ttncctaggng 60
 gantannant tacctgtcca aantatnncc atgnnnancc ncnntagggc angggnaaga 120
 atcatggctc atgantngtg ngggacaagt ggtcgcagag cacaggctct nggtaaggag 180
 acctggtttg agtttataac cagagacagg cagttcacca actgagtctc aaatccttat 240
 ctggaaaatg ggaataattt gtcttctctg gccgagctgc tgggaagctc anagatatta 300
 ctgcataaga angtgcttta tacctgtgan gcgagatggg aaatgaagga tgattgtctt 360
 gatgatgatt ttgngetgga gctggcttac aatcccctga cagtgcaccc tgtaccatan 420
 aagtgcagaga acccagcgac nccaagtggg actgggaagg ataggccctg ggtttgaatn 480
 ccnctgtnc tcgttggtgg ccccttgac ttttttgaca ancctcatca cattccttaa 540
 ccctcaantt ttgccctgtc tgntaaaaaa gggtncaaaa ntgntgcctt tgtgccccan 600
 ttaaacccaa ggaactggg aaaatgcntt ggccttgagg ggacaatgan taaccncaat 660
 ngngggcct tgtnaangaa ttnggcctng ggacccttna gggggntccc ctantaaggg 720
 ggccaaant 729

<210> 2072
 <211> 749
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (1)...(749)

<223> n = A,T,C or G

<400> 2072

```

acnttnacga gtnngnccga ggtcnnnatc aatgtcnann nentcaacag gggnatantc      60
gacentaana ntncnnnaac gtctgnncat nnetgttgaa tggcncctgct natnatagta      120
ntgtntgccg aggaaaactn ngaatntgac gaggcttata aaaccatggt agccaggcgt      180
ggtacgtagc tcacacctgt aatcctccca aagtgtctggg attataggcg agagccacca      240
cgctcagtga gtatgacatt tttaaaagaa cagtataaag cataaaatat cccatgtggg      300
gcaaaactccc agattatttt cctaaacaaa tagaaaaaat gcttcctgaa atagggtaa      360
agaggatgag tcatcaggat ccctgaaaca aagatctcaa acaggagacc ttacgtatat      420
tattcatcaa tatcttcagt gcaaaaatgc aaagccattt acagaaaggg cacatagtaa      480
gctttacata ctttntcttag gaacagnctt aaaacttaaa aatctcatgg ttttaataaag      540
agtaataatt ttatggggaa gcaattttaa gatttaaaat ttcagagtat cttccatacc      600
agcagtntta tttaaagtag tggaaaaaat aagacaattt aatattccca tggatggatn      660
gattaaaaat tgggtntggg cangngggaa aataaacntt gcccccaat ttaagacttc      720
ctggccaaaa ntttggggga aaaaggntt      749

```

<210> 2073

<211> 1498

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1498)

<223> n = A,T,C or G

<400> 2073

```

tnnnntctnn annentnnen nnnnnnnnnn nnnnnnnncan nnnncnnnnc nacnnntnna      60
nnnncttncn cnnnnntnt ntncnnnnnn nnnncnnnncg tnnctntnnn nnnnnntnggt      120
nnnnngnnang tcnngntan ccncannnnn nnnnnnatnn ntatnnnnnn tntnnntnc      180
gcnccccccc gccccntan nnnntcccc nnnncnttn annntnnnnn nnnnnnnnnn      240
nnnnnanncn gntttaccaa nttcccncc nccggggggg tctataaat gctatcnac      300
naggnncnnc cncctnnatn nccccattt ctagnngcc ccttnaanen nnncccagcn      360
ntntntttat gctggangan gggantgna cgttgncct ncnggggggg gttttntagt      420
cnanaaaggg cccgacggcc anangecngt gggggaggga ctncactcag nataancgag      480
gaggaggccc cttnatcnaa gaggagntg gcnccccacc ggtgcnnnncn aggttcnnc      540
ttcttacgcn cctggntact nnagntnttc ttgntnta acttatttgc ntcantnnnn      600
ntctntctcc nntnnttan nnnnttcnn tcnctanca tntttancat ctctnttnc      660
tactanantn tctcctntt cnactangaa ctccgatca nnggntntan ncnntctct      720
cnntgactaa cntcatctgn natcttaann tcntntttt ntgntttcna ctctttttt      780
gnnttctcac tgcctnnca ctctananag ntctctnct nntatctna nntcnnntt      840
cacncttct ntntccttn tnatcgcnnt tcatctacga cctctatgcn atcanatgcy      900
cgngnatcat atgtgccnt ctnacaagtn tanntctcg nntaattacn ctencatant      960
atctcacnnc tttctttca nnactantat gntnggtgag gctatatagn actngtgga      1020
nggggtcttc tctntacnt ttnatctgn ggnacgnttt ncttntctat natctntanc      1080
aantttctct anantctggg gtcnaacnnn anannnnaan cntcncgcn ncnaanatac      1140
nctgctatnn ncatgcttna nacatatnta tnaactctc atctntanc gcttcatntg      1200
natctctct ctgtttctnt natacatcan aatccatnnc tgcnacnctc ntntacnct      1260
cctatnatat gcnntctct acantntac ctaccgttca ccatntatnn aactatannt      1320
cacatnttan atgnncnnnt acnnnccctn ntgancaatn ctgttttctt nctctctctc      1380
atctntntat gngntttacn tcttannatc tntctncacg cntntatent angcgtctnt      1440
ncaaaaatnt acgnntctnn cncatctca cncctngan ccgatctann nctgncca      1498

```

<210> 2074

<211> 947
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(947)
 <223> n = A,T,C or G

<400> 2074

nentcaattc	cgacgagggt	acttaataag	nngacaancc	agaaacaata	ttgaagatct	60
gaaaaatcta	gccgaccanc	tctaggnngg	ccctntntcn	nanagtgggn	gatgggcatt	120
gntttaacta	ttaccttagg	tccgtgataa	tatcccntgg	cccagcagaa	attatatact	180
tggcaacaca	tatttttcac	caggaagctt	cacccagaca	ctgancanaa	tggtctnttg	240
caccaataaa	ggctcacnta	aanggnntgt	ggtnncccaa	gnaaatanac	atctctnaat	300
tgcnaaantg	gtaaactgct	ttancnccat	acaaggngnc	tatctngaaa	cgnntttttc	360
tnnnanngcn	tcatnngtnt	cntcttctat	ngccnnatta	actnattgan	tnnttnnnat	420
gncatncnna	anngcgntnn	acatctcctn	cttatatcna	atnccnntna	tctcnnnatn	480
ctacntccnn	cnatcntttt	ttcattcann	tttattacct	tgntcnccan	ctgctanceg	540
tcttcngana	tcnanccttn	nnntntnca	annctanttt	ntntcaaaat	gggccnnctn	600
ttttanatnn	cnactactgn	gatatatnnt	ntcnntgac	ngtttnatnc	ccctaacnac	660
natatcnnac	tnntctctcc	nannaannaa	nnngnncatt	tatnttnacg	ggaaaaaaa	720
tctcannctc	cngcgnccct	ngattgggct	ttcnaccccc	ttggnaaatc	nccccancac	780
ctnttgggna	aaggccnaag	ggtnggccca	aaaatnnncc	ttgaagggtg	tnaaggaant	840
tttctaataa	ccaagccttg	anccnnntnt	tggnngaaaa	cccccggtt	tttctttnaa	900
aattcccaaa	anttcnncnc	cagcnctnna	atcnngcccc	cctctgn		947

<210> 2075
 <211> 689
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(689)
 <223> n = A,T,C or G

<400> 2075

aantttcaatc	cgacgagggt	atcttcttca	atcagcaata	acagggtggct	ctatagaatg	60
gagggtagaa	gggatgtggg	tgacttactc	agtttttagt	ttaaaggagg	cctcttctgt	120
tagcatgggtg	aagtgcagtt	tctttaataa	attgtgcatg	gtgggggtgg	gatttggatt	180
ctgtgataca	atcttgtttc	tttaggaatc	ttttactttt	ggccacttgc	ctttctttcc	240
aaggaatccc	actccctttc	aagggtgcctc	atgaactgtt	ttcatgaact	ttccaaacat	300
tggtttctgc	ttgtttctaa	gcctgattct	tggecttctc	attaattttc	aaaacttcca	360
atataccttc	aaataattcc	cttttgctta	cgttagcgag	tactagtttg	ttagccagtg	420
gtaagttctg	gtgaccta	ccaaaaaacc	ctaactgaga	tatcagctct	taacgcaaaa	480
gttngaatc	ggcatcctca	tatgaagang	ggagtgggaa	ttgggtgtgg	gacttncggg	540
atatccaaca	gtggatgcta	aagnccttac	ataaaatgca	tanattggta	tatcctccca	600
tcatcatctc	tagatattat	agacttatac	aatgaatgct	gggagcatcn	ggattttact	660
ggattttgng	gttngnga	aat				689

<210> 2076
 <211> 888
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(888)
 <223> n = A,T,C or G

<400> 2076

ncttctnttcc	tcgaggacac	tgncctnctga	aggccgntgg	cactaggcnc	ancagacant	60
cnetgcaggt	gcaccaacta	cagactcaca	ctaattggaca	aggagntttt	cncaatncag	120
tcccacgcct	ttncaggtag	gggccanggg	ggctgtgaat	gggatgcagc	cccatggngt	180
ccctgataaa	tccagtgtgc	agtcttgatn	ctccagggtg	ncagncagat	tatagtgcag	240
cctgngctga	gtattataga	cancaancat	nctattgntg	tccagacaag	tncccagggg	300
aatgccacac	ctttcttnag	cacctnatng	tctanttttn	anaacncgga	ccgttancag	360
tttttgcctc	atttntttgn	ngngaannna	canacntttt	tnntaaacna	tntnagattn	420
ctnnnecganc	tttctntaac	gcatecttct	ntnngntntt	tcggtnntata	aaancgnttg	480
nctatttttt	tttntntctn	cgacaatggt	ccnnnnantn	tttttnttct	ttntngagn	540
ggatnggntn	anatntcttc	ttgtnnanca	aaatnnnant	ntttngtcnt	tgtttttttn	600
acctnannt	gcanttgga	ntttactan	nncttcnntc	nnattncttn	acaccattgg	660
gcccttttcc	ctactnttta	ccacntcgta	naacantnct	ctngtancta	cttangtanc	720
tncttagngt	gnnaatatnt	ntntncaccc	tnttcttaca	gctctgtatt	catcttcttc	780
agtattntcc	ttactcttta	catntatnnn	ngtttantac	gtntcgnntc	ttatngnnnn	840
tacctctcta	ctatttgtna	cttatncaca	ctnttctcnt	catnacc		888

<210> 2077
 <211> 721
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(721)
 <223> n = A,T,C or G

<400> 2077

anttegantc	gcacgaggtg	cctectgcct	ctccaatcct	gatccccc	tcccagccaa	60
ggagaggttt	tcagcccttg	gtcacccctga	tgacctgcag	ctttccaggc	cctaggtctga	120
gaagttttaag	tccagtgtct	cattaatcct	cataataatc	tagggaggcc	gggcacggtg	180
gtcacacac	gtaatcccag	cactttggga	ggctgaggca	ggtggatcac	ttgagttaga	240
agtttgagac	cagcctggcc	aacatggtga	agccccgtct	ttactaaaaa	tacaaaaatt	300
agctgggctg	ggtggcggat	gcctgaggat	gctgtcctct	gatttagctg	ctgcctccag	360
cctctggctt	gagaacttac	taaaggcact	tccttctgt	taaaccctg	ttaactctcc	420
ataaatttgg	tgattctctg	ctaggcctaa	gattttgagt	taacatctct	tgaagccaaa	480
ctccaccttc	tgtgcttttt	gcttgggata	atggagtttt	tcttttagaaa	cagtgccaag	540
aatgacaaga	tttttaaaaa	aaaaangaan	gaaaaaaaaa	cccccttctt	ttaaanaaaa	600
nacctaacaa	attttaatat	agttatctct	accnctttct	ttttaagttt	cttgatttta	660
actcangctg	nattntaact	catctgggaa	aacaangngt	tttgattaaa	aaaatatnaa	720
n						721

<210> 2078
 <211> 733
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(733)
 <223> n = A,T,C or G

<400> 2078

```

acnttcaatc gnacgaggnc tntnnnctna tagccgcggg ncccagaatt cccaagcgtn      60
ggattgntca cccactaatn gggaacgaga gccgaacagn tgangagagt tcactgactc      120
cccagcccca ggtgggcctt gtgcacatca tgaccagttt tgaagatgct gacacagaag      180
agacagtaac ttgtctccag atgacggttt accatcctgg ccagttgcag tgtggaatat      240
ttcagtcaat aagttttaac agagagaaac tcccttccag cgaagtgggtg aaatttggcc      300
gaaattccaa catctgtcat tatacttttc aggacaaaca ggtttcccg gttcagtttt      360
ctctgcagct gtttaaaaaa ttcaacagct cagttctctc tttgaaataa aaaatatgag      420
tnaaaaagac caatctgac gtggacagca gaaagctggg ctacctaaat aaaatggacc      480
tgccatacan gtgcatggtc agattcngag aagtattcaa tttcttgatg gagaaaggaa      540
natggcgagt cattggaatt ttttgagact caatttattt tatcttccaa ancactcttt      600
gcagaaaaca actgggcccc cacanngcca taccggagta ttgnacttat tcgctctgnt      660
cctnccaaag cagtnttccg acagaaatgg ntgaaaatga gtcatgaacc cccgaaaggc      720
taaaaggaga aat                                     733

```

<210> 2079

<211> 808

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(808)

<223> n = A,T,C or G

<400> 2079

```

acnncgcttt actagcttat tatcattegc anccctgctc tctnaccccc agcgctccaca      60
gagctggatg ttcttcacaa tgtccaagtg gctgcagtgg ttggcattgg ccttgatatat      120
caagggacag ctacacagaca tactgcagaa gtctgttgg ctgagatagg acggcctcct      180
ggtcctgaaa tggaatactg cactgacaga gagtcatact ccttagctgc tggtctggcc      240
ctgggcatgg tctgcttggg gcatggcagc aatttgatag gtatgtctga tctcaatgtg      300
cctgagcagc tctatcagta catggttggg ggacataggc gctttcaaac aggaatgcat      360
agggagaaac ataaatcacc aagttatcaa atcaaagaag gagataccat aaatgtggat      420
gtgacttgtc caggtgctac tctagctttg gctatgatct acttaaaaac caataacagt      480
gtcttctang aagcccagac acatggagaa attcttgagt gtttttggnc gataagtccc      540
aanatgaagg ttccagccaa caagcttggg gatcanccca ttaaaatggt gaantgaagg      600
aaagcttttg aaaaatnggt tcaaaccctt taaccccccc acctggancc ttcattaagg      660
aagaccccc aaggaaatgg aagaaaatca ncctggggnc ccaaancctt taacaaaaaa      720
ncctttcaan aaaatttccn gaaaaattaa aaaattaatt tccaattctt taattttttn      780
aaaaaaaaa aaaaaaannn nnnnnccc                                     808

```

<210> 2080

<211> 1361

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1361)

<223> n = A,T,C or G

<400> 2080

```

tntntnctc nntttttnc nnnccntcnn ntcnntnntc nttctntnnn nncnctntnc      60
tntncnnnn nntntncnn tcnntnctt cctttctnt tctctnntc nctcnntcnn      120
tctnctnnc ntnntntntn cccccnctc nctnntcctc cccccctctc nntntnntnn      180
tnnttnnncc nncnangtng gaancnnnt tttctntta ncttttctcn ccnccctttt      240

```

```

gtctncttctn tatncttnt ccaccnncnn ntttttttg ttggcctnga tnnctcccn 300
cnccttgnggt ncactttnt tntnnccctt cncncctta ncttncccc tctctctnt 360
cnttcttgcc tncctctctn tctctctca cccnccgtt ncttctctt ttaactntcn 420
ntnccctct ccccttctt ctncccctc tctctttcc gacntctnt cctccnctt 480
ctctttgctn cctncactn tctctcnc tctctctc tctcctncc ctcccggt 540
tttncctnnt tccnntncc tctctnntn tctcctttt nntcnntac ntccctctc 600
ccttactcc cttctctct tctctctcc tntccccnn ncctctncc tctctctnt 660
ctctctnct cctcctttt tctnntgcn tctctcct cctnctctc ttnnctnacc 720
tctnctnct nctcctctt tctctctn cgacctacc tncctccct tncctctctn 780
tctctctct tctcctcnn tctctcnnt ctcttttct ctncncnc tttgcnct 840
ctccttttg nntncttcc nattctntt tntctcccc tctnctctt tnttttctc 900
cncctctct tctcttccc atnnttttn cnnctnttc cctnctctt ctatctnt 960
ntcnccttc nctnctctt ctctctcca nctntctc tcttttnc tccctacnt 1020
tntccctct cctccttct ntctctnct cctctctct acccactct nttctctta 1080
cnnctgctc nactntntn tctnctctg tactatcta nttcncctt canttactcc 1140
cctnttctc ctnttctct ntctctntt ctctnctcc tntnctctn tctctctt 1200
ctctctacn tctnctcnc tcnatctnct cctctctct tctcctctc ctttttctn 1260
tctattctc cttctctnt nctcctctg cctctctnt nattntctgt cttctctct 1320
ctctctctt cttctctgc acnccgttc anctcttcc t 1361

```

```

<210> 2081
<211> 740
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(740)
<223> n = A,T,C or G

```

```

<400> 2081
ctgcactgca agggaggtga gtgagaccaa ggaactacac ccaccaagat cccttccaag 60
ggtctaagtt gcttctntaa tcanaaacct ctcaaacct tgcgactgtg cacataggtc 120
ccatgatggc ttggcaaca ttacctggg accagggtga acttcgtacc atgtattgca 180
tatgagaaaa gaaaagaatg ttgtcaaac aaaccactat gttttatttt attttatttt 240
agtgtgtgtg gtagggtgtg agtgagttct cagtgtgtgt gtgtgtgtgt gtgtgtgtgn 300
gcagttttt ttttttttg gganggggt nnncttttnc cccnggng gngggnannn 360
accnatttt ggntaccan ancctgtnnn nccgggttaa angantttct nctgnctaaa 420
cnncccaaaa nnnntnaaa ttnccgggtt gttcctncc cncnntta attttttgnc 480
tttttttnn aaaanchaga ntnncnct ntnngnggn cccnggngt gnanaaaaaa 540
atnttcngg gccnaaaaag gnaanccttc cncctntaa ncccatnna aggnngngng 600
gnanttnnag gggngnggac cccctnggct ctcggtttta anggggggnt naaaaanngg 660
ttttncctta aaggnnctt gnaatnccn anaaaaattt ttcnnncngg gaanngcttt 720
tctggncccc tttngggan 740

```

```

<210> 2082
<211> 727
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(727)
<223> n = A,T,C or G

```

```

<400> 2082

```

```

aagttcaatc cgcacgaggt tcatncataa tgtagcnngn ntcagaagtt catttctttt    60
tatggctgaa caagattcca ttgtgtgatt agattgcatt ttctttatcc gtctgttgat    120
ggacgtttgg ggttgttcca ctttttgccc attgtgaaga atgattcttt gaacattgat    180
gtaaaagatt tcatgtggat atgtattttc atttctgttg gctgtatacc ttgcagtaga    240
attgctgggt tgtaccttta actttctgag taactgctca aacacagtaa acacacagtt    300
ttccagtttt gcagcactat tttatgttct taccagcaac ctgtaagagt ttccactttc    360
tccacatcct cgccaacaat tgtcattgtc tatctttttc attatagtca ccatagtggc    420
tgtaaagtgg tatctcattg tggattgat ttgctttacc ttgatgaagt aatggatttg    480
aacatctttt tcatgtgctt attagccctt taaatacctt gcttgagaa atgtctattc    540
aaataaatct ttttgcccat tttctaaagg agttaattgc ctatttattg gtgagtttta    600
aaaaggcttt agatgtgcta cataccanac tcttaccaga agtganttaa ttgcaaata    660
tttctcccat tctatngggt tttcttttca ctttcttggg tagnggcact tggaganata    720
aatggn                                           727

```

<210> 2083

<211> 727

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (727)

<223> n = A,T,C or G

<400> 2083

```

aagcctntcg aatcgcacga ggttgttgtt accgtgtgcc aangtgtccc atgtgggttg    60
tgccaggtag agaaacagga agtcaatcat ctgtgacagt ctctattctg tcgttttgct    120
ccttggtatt tgatttgac tatatttagt tgaagcctgt tcaactgtta aaaccggagg    180
tatcttcaaa ggcattgaga cctgggtcca gtaaatgtcc caccagtggg gtatagaaag    240
catgctcatg accctgccgt gtctctgag gtacccttc ttatcctagt ggttcaggaa    300
gagaaaacgc agtttgact ttcaagacag cttctctaag gctggcatgt tatctccttg    360
ctttgctttt tgccgtttta aaatgtgtaa ttgttccagc attccaatgg tcttgtgcat    420
agcagggggac tgtaaccaaa aataaacatg tatttgtgta attggtttga agaagctctg    480
aatagctctt tactgcttac ttggggttga taagatttga gtgtttgcaa tttttacta    540
aatgtagctc caaagtctta aatggcttgg ttgttcttaa actggttaatt gatgaaactg    600
tgcataagtt tacaatgtac taacttattt tgcttattat atataggggt ttattgggaa    660
attgtaccnc acacttcagc atgatgaaaa taaaaataa gtggttccat ttaaataaat    720
ggtttat                                           727

```

<210> 2084

<211> 1126

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1126)

<223> n = A,T,C or G

<400> 2084

```

nntnntnnnn tanntcnrrn tcttannttg nntnancnrr nntnnnnnan tnantnnrrt    60
nttntttttn nnnnncnrrn tananctnrrn nantnnnang angnnnnnnn nnannnnrrg    120
anntatnrra tanrrnata anrrtctacn nattnnrrcn cnaannrrgc cncnccnrrn    180
annrrtanrr cccannrrn tntctnrrn ctnnnnnana gntntanana taccnrrggg    240
gggtttnata ttcatnaacc aggnrrnrrg nnaaatacat antccagac tgatacttgg    300
tgggrrnrrc cacccttcta ccttggrrtg cctcatggcc taccrraggc tttttntrrc    360

```

```

actgggtccc actgttncct gganacaaga ngggctagca tgetgtcatt tatctgaang      420
gntgtggctg acccattctc ctgggatttc ccaggccacc tcctcccttt ccctttccct      480
cnacttaacc caaactttgc ntcagctgga tgctattgtc cctggatgtt ggcctttact      540
tggtncgang gttaattggc tgnntcttgc cttgccatag gaaantnttg gctgnnnatt      600
ttggcaanat gtgnggaaga aacnngtntn aangaaaang ggaaccnagg agtanttgga      660
tcaaanaatn aanngngggg gaatgggggg acaagaagga naatatgggg gaacnttnnt      720
ccccntttgg nancttcttg gcccttttgg ggcccccttt nggaanattg tggnnncncg      780
ggtaaaaaata annnntttan acngntnggn nanccctttt gtnaaaaaan atannganaa      840
aantggnana attnttttaa aaaaanccct gnttttccan ananaaaaaa cacatttttt      900
ttcctttggg taaaaannaa ncnttggtta nnaaaancnt anntttcnnn tnnaaatnca      960
tntnttatta aaaaaanaaa cggnttntat tttttaacc ctcccctgnt acnnctaaca     1020
aaannttttc ntcttggncc canaaaaaan aaaaaaaann ttactccagt nntattgcn      1080
cntntcaccn tgatgnnggc nctttcttgn gctttttaat aaaana                      1126

```

<210> 2085

<211> 721

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(721)

<223> n = A,T,C or G

<400> 2085

```

angttcgatt cngccgaggg taattaataa gcagacaaat cagaaacaat atagaagatc      60
tgaaaaatag agttgaccag ctctaattgg tccctgtatc caatagttag agatgggcat     120
tgtttttagg cacatgtgaa ataattggccc ccccgttctg gcccagcaga aattatatac     180
ttggcaacaa gtctcatcac attttaaaata aactgtcaaa aagataacat tctcatgttt     240
ccgcaattta attttaaaat gaaattaaat ttttttgaag gtaaaataca ttttggaat      300
ctaaactgtt taactcttag aacgaacagt ggaaaagaga aaatataact gaatgataag     360
gaaaatatat acacatcaga ttgatgtgat gcagccaagt ggcatgtaga agaaactcta     420
gtattagtag aggtttttcc tatactttcc atgtagtag aacattttat ataagtattt     480
taaatgctta tttaaaaaag gaaattacag agttaaccaa aacaaggatt tgtagagaaa     540
aggcatatgt aaggaaagaa gtagtctggg cgtggtggct cagcctgta atccacacc      600
ttgggangca gangtgggcc agatccctga ngncangagt tcgagaacag nctgaccaac     660
atgganaacc ccgctnttct aaaaatacna aaattactgg gcgtggtgat gcncctctgt     720
a                                                                    721

```

<210> 2086

<211> 1036

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1036)

<223> n = A,T,C or G

<400> 2086

```

cnaccnccct tannnnnnnt ncngnntanc ntngcnangg tttntntnng naatnnanct      60
acctncttt acgncgntnc nntannnnnt nancccnann ntntnngctg nnnnaanncn     120
ggngncanna nncnactnt tangngnnnc nntntctnnt ntngtacgct ntctnatana     180
tgtncgtnnn annctnnnnn nngcncccc nectccgnnn ntancnnccc ccnctnnnn      240
nnnnnnnnnn nntangang atcgnattcc gcacgngggg gtntcttctt caatcagccc      300
ccccnggggt ngggctctat ngnaatggaa ggngttcaac gcatnttttt tgncctgnnc     360

```

tttttccnac	antacggggg	gnnttttnt	nanncacccc	ctnttgtacn	catanngtgn	420
gaattcngnt	nganancnct	tccannnnta	nnnnccctgt	tntnacnccn	ctnntnntnt	480
ttcnnngctc	anatntannt	cngtnnnttc	ntnccantct	naacngtnnt	cnnccacant	540
ttgnattntn	nnctacaaca	tncnnttatn	ttnnccnctn	tntcnacant	tttcnattca	600
nccacannnc	tntctannnn	cnetcacent	tcctnccnnt	tctnccgnta	ctcnnntncnc	660
tctnccnncna	nnnctcactt	gnnccgtgngn	atactcannt	aantctannt	cntnnttctg	720
nnnnantcat	tctnnncanac	gttccagann	angtctatnc	cntacnata	attnacatna	780
nnancncnnt	ccaccntngt	nnatgactac	ntcnnnacgn	tnataactac	tcacntntnn	840
gnaanactan	nttactgngg	cgnatctaac	tcaccttcc	ccaacataac	mntatcnaa	900
ngtntanngt	atgcactant	ctatctctat	ngcncanaa	atnnctntat	ncgtaantnc	960
acancnanct	attntacgct	nctnacnnan	ncattcgtan	atctacatat	ncttactatc	1020
acaatcgacn	tagncc					1036

<210> 2087

<211> 1694

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1694)

<223> n = A, T, C or G

<400> 2087

cnnccccnna	nnnncccn	nnnnnttnna	ancnncnna	cnnccccnnt	nngnnnnccct	60
nnccccccca	cnncccttct	nctantnncc	ncnctnctnc	cccntnccnn	cnnccctacc	120
nngnaaannc	ttanantnnc	nttacccttn	ttcnnccann	tggngtcttt	cnnntccaan	180
nctnttttnc	nnnnccnacc	nactcncta	cnetctcnnn	tntnntneng	cnnccccccc	240
nnccnccnna	nanntcccc	cncnccct	tannccannc	atntnnnnnt	nanngccntn	300
ccnaatccgc	acgggaggtt	tctactgcc	tctnnncccc	ccggngtcaa	catntnnat	360
ccacctnccc	cctatacca	cntcancntt	ttnttaggcn	ctagtctnan	nanctnccct	420
acatctnggg	ggggcttttt	ttntnatnt	ntantctccc	cccactctc	accccccccc	480
tncatcaacc	antcatannc	cnetctaccn	tntccttttt	ctccnctcnn	cnaagctatn	540
actcctncac	nnnanttct	cnganagacn	annccctaca	tatcatctac	ntactatntc	600
tntactact	gnaactcctt	cctanacgat	cnttccnctn	ncncatnatn	nanctcttat	660
ctntactnnc	nctaanntn	ctntctcggn	cacnctctac	aaantcatnt	caancactcn	720
nancccaact	actatcgcan	tatataccta	gtntgcnanc	atcntnccct	ntcnatnntn	780
tctcatatnn	ctctcatctc	ncntnatcc	tcacntcncg	ntccctcnc	ntnnnactcc	840
tcnatnctct	nactatcgct	catnctanac	tnacnctegn	nttccnctnt	atccacgttc	900
tatntcncct	nactacnate	tnttntctn	annaactnaa	ttntntnna	atctctntac	960
nnatcccnnt	nnnacnctn	tttaccctcg	gtcnatctcc	tttccctctc	tctcttacgt	1020
atctctncc	ancacttnac	cttgcattn	ccnngtcac	ntnctacctc	actctcannt	1080
nnatntcann	ctaagctacc	ncttatncc	tnccannnatn	ctccnaaact	nctcacatcc	1140
nnctctattn	tcacntccng	tctacngnna	ngtccntnt	cttccactntn	tttatcagac	1200
atcagactan	ntctcncnc	ccanactttt	tcttatctct	nctcttaant	ccnaccncta	1260
cgctagatc	tctcccaant	cnacntacta	tatcccnntc	tcntctctnt	nnctgntatn	1320
tctcgaatac	nacaccgnet	ccatnntatn	tctttatcat	tancntctct	ctacgctact	1380
cncacnctn	acntctctan	ttnnccnctc	tacttggtct	ntacntget	nnccgtccact	1440
ctgncctctn	atctctctnn	tatttactct	aactgntcta	tcctccncc	cacgntatcn	1500
cncgntcact	ntcttannaa	atnatgenac	caatctctct	cnnnantatt	cngtatatcc	1560
gtcactatnc	ttacnctcnc	atntcatent	accantctc	tggttngtca	ctcnnncncc	1620
ctcaactctc	ctccccataa	tntnccctc	anactncaac	tntnccgtct	tcccatacct	1680
nccncttnc	ccca					1694

<210> 2088

<211> 920

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(920)
<223> n = A,T,C or G

<400> 2088

ngtannnnna	aggntttgna	tctntntant	gaattttgaa	tgngnaactn	nngcatntgn	60
ttganacctt	ccaaaatggc	cccagtgatc	cnatctccta	ataagtncat	gtnngtgnng	120
ccntatncaa	cactgcttag	gaatgggctt	ncgnaaaccc	aattgggtccc	ttgaggtgtg	180
gatggcaatn	tgaccttttn	aaggctnaaa	attgtaaaagg	aaaagaacac	tgggggnntn	240
cccttcctnt	ggttggnttt	ggggaaccgc	tttngcttct	tggaataaaa	gcccattaag	300
ntcantgttc	cnnggaaggg	ataccctcta	nnntttggcc	cattttnggn	aananggggtg	360
gccaccaatn	ggtggaanna	aaaaatggaa	ggccctnacn	tngcnccant	ngaacctatt	420
ggttaaaaagt	tgannnccna	tccaccgngn	aagnantacc	nccccncatt	agcccccttn	480
aatcnagccc	cctttcngaa	tttacttggc	cccccttttn	gntaagcnat	ttttgngnac	540
tncaantccc	nattgaaatn	tnngccccaa	agcccaanaa	ttttccccan	naaaaangcc	600
cttnccccaa	attttctgnt	tcccnaccaa	aaaaantggt	tccaaaaana	ttaaaaaaat	660
natgnccctt	taanttttnt	ngganttant	tttngtnggc	nttggcaggt	tactaataac	720
ctaaatcttt	nccctccent	ttggaaaacc	nttttttttt	tggccggggc	aancgtgggn	780
tttanttggn	ttngtaagcc	ccaattantt	ttngggggcc	cannggnggg	tnngnaannnc	840
ccccggnttn	ggatttagna	aatatcccac	cctantttgt	naaaanctnn	tttatttnaa	900
aanacaaaaa	accggnngng					920

<210> 2089
<211> 769
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(769)
<223> n = A,T,C or G

<400> 2089

cnnttnnnnn	cgaggcacgc	ccccttttct	ccgccacttc	accagtttct	gaaatccaac	60
ctcccagact	tcacaggaag	atagatntnc	ttgagataat	gaaaagtgat	ntcttcnct	120
ncgaaaaggaa	aaaagggtga	ggtntatatg	atttttaact	gtattagggg	tgtatgaacc	180
agttaaaaaa	cgaggtttta	tttactgtag	nagatgaatg	caaatacaga	ccaatgatcc	240
cttggcctac	ttagttaaaa	ccagttcata	catcccttag	ggtttttatt	attatcatta	300
ttatcattac	agctgttata	gttggttttg	ctgttattat	natttggggg	tncttggtgt	360
tttttctttg	cgactctcca	cacttaaact	tgcaatattg	tggggagaag	ctgtgactaa	420
actctacgct	gcggtgagat	gtagcagcaa	tcagctccca	ccgacgtgtg	tanctggggc	480
tgccgctcgc	aataatecta	ttgattttaa	gcttacttac	cccttgatct	gtncctctnt	540
agtccatang	gtcttgccac	attttattta	gtgangngng	agaaacntat	ttatttgtn	600
gntggntttg	ccccttcccc	cncccccaa	anattaaact	ggggaaaatt	ngngaatttg	660
cttnaacctc	tcggggngaa	atcnataccc	ttnatTTTgc	catgggccnn	cctaattggg	720
tttctctatac	aattttnggg	tngaatnctc	ttttctcccn	ttccctcnn		769

<210> 2090
<211> 1058
<212> DNA
<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (1058)
 <223> n = A,T,C or G

<400> 2090

ttttgnaanc cccctttttnn nnnnnntnnc ttngnntnct ttttttttgg caangggaat	60
ncccccatnn nnnnattccc gngcnnaagg nnnnnnaaaa aaaacggnaa aaaccnaaa	120
aaggngggga aaagggccca agggggggtt tgggggggcc cccgtggggc ntttgaaaag	180
ccccggggnn ttcccccaa aacaaaaaaa ttggcntttg caaacccaaa aaagcctttt	240
ggggncngcc ngcnggggnc nnccgggctt gggttggcaa agtctttttc ccagcccttg	300
ggggccctggg caaaagggggg ggccgggggg tgggggcngc ttgccaaggc cgggggtngc	360
tttcttcgaa cgccactttg gcttcccga agggcttgcg ccccggcng cccttgggaa	420
accggaaggt ngggaaagga accnggttgg gtggtcaacc cttgcttcgg cccttnagcc	480
cttgccgctg ttggggggcg ccgttggcac cggaacnttn cttgcctntt ctgttccgaa	540
cacccggcaa tgcaagccgg agacaaaacg cctttaaag ccccgggccc agccctgcan	600
gtatatgca ggggcctggg ggcnngccct ggaactggcg ggccggttcc ccaatggggg	660
tgccctggaa ggctgcccgg gcangagtgg aagcactttg ggcccggtgc ccaaggccgg	720
tggtcttgga agtctagttt ttggccttta ccaaatgtt acaanaaatg gcattttaac	780
gttttctnt tgatgcctcc ctttgaagc cataagaatt taagggggct tttttttaa	840
aaaaaantaa aaagaaaaa ttggaaaccc canntnta nnaaanttct cactantct	900
ntnnntntnt aacnctctnt cnttctttnn cacantctn nntnnnncc tctcttntct	960
cctanaaac tttnttncan gncntntnn aattcacnnn tcncntnttn anaaacaatc	1020
ccntctcntn tntctttggt caccnanact ccttttnn	1058

<210> 2091
 <211> 811
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (811)
 <223> n = A,T,C or G

<400> 2091

cnancctttg aactcccnng cttttgcagg atcnnnnnngn agnggnncgg ncngagatca	60
natggggntg aanagatttt ttncagtna tgnnngeccg gnccttccag ntgggcccag	120
tnatcancca tacatagttc atngatacac ctccnccagc gggtaggaa atgatggaaa	180
aaggagnaag aagnggccat ccgttttaac catccctcct ggattngtcc tcaagtcccc	240
aactgccaag naggatgtgn ccatgtataa atgtgngggg catgactaaa gtacccttag	300
ctgtccttta tatncattca cctagaaga tctgcaaaga acncaaagaa aattgaccat	360
ttaatcagta aangtgtccc ctgggctagc atggcgctat agaaagtga caggctttan	420
agttaagnga atctgggctc atatggtagt gntgctatc atnagcncta tactgntgaa	480
caaatngctn aaactatcta attttgggn tntttttncc atcnnaaaan aggggataat	540
aatanctncc tcataaggat taatcgggga gaattnaant aaccttcacn tatagncaga	600
aaanttcacc taccantcc ctttctctn acttcccttg gcccttcat taaaagacta	660
aatnccaagn taagccattc cannatgggg nanaacattn tttantcaa gtaaaaaanaa	720
caacccttta nctnatcang tcttgaanc tttnaaaang ccagnaccnc nccnnaaagg	780
gncnttcaaa aaaggcaaaa tccccagccc n	811

<210> 2092
 <211> 796
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(796)
 <223> n = A,T,C or G

<400> 2092

tnatcctttc	aactcttggt	ctttttgcan	gatccnnnnn	ntcgaattng	gnacgaggtt	60
aattcattcc	tttcctgan	ngagactggg	ctctgggctc	cctgcgtggt	tttnatgagg	120
agcagaatag	agctgcagtc	agcagggagc	agggtctcatt	ctgggggagca	gagacaaata	180
gagaacagta	tctcttgcta	tatgcagggc	actgcaactt	acaaatcaca	gcgcatggcg	240
aggacgaggg	ttgggggtgt	acctctcacc	atgtctccag	ctgttccaac	ccgtgggtcaa	300
tgggagctct	gatgcaggct	ttttgctgct	gggccttcca	ctcctccaac	tttgacgcag	360
tagctcgatt	agggtagtta	atccggccta	gcagtgcctt	ggaggcatcc	agcacctctg	420
ggaaagagat	aatgtgagt	ttccttttca	ccctccacca	cccaactggg		480
gatgaagaaa	caaagaagcc	agcgcttaga	ggaccagggg	ccccacatcc	cctcattttt	540
ccaagtccct	gttgncaca	tgtctgtcc	tctgtctccc	acctttctct	tttgtccagn	600
tcattgagag	tttcctgcag	aatcttctgc	ctttgggtctg	atgggggtcc	aaaaaagggt	660
ggcttccctg	gattggnggg	gaacnaggag	tcaatccaag	gcctttanaa	ctatnagtga	720
gtcgtantta	cntcnaatnc	nanacctgaa	aaagatacat	ngnattangt	ttggacaaac	780
cccaactagn	aatgcn					796

<210> 2093
 <211> 946
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(946)
 <223> n = A,T,C or G

<400> 2093

ggcnnttnaa	acccttcngc	tacttgttct	ttttgcagga	tcccatccga	tncgntttcg	60
gcacgagaat	nccttttaaat	ccctgggcag	caccgtnggg	gacaggattt	acccgnaaac	120
agtgttgatt	ctactttcta	aaaaccctga	gcccttttgn	ggggngcacc	agatnaaacc	180
cggggggcat	cattgaacat	gcaggggcag	attgcagaag	cttcagtctt	gggaaaaaga	240
gaangngggg	gactttgttt	tgctgngccc	ctctcttccc	cgngngnga	ggatctactg	300
gtgtaggggg	agggactttg	ngcttctact	ggtttcaagt	acaagncaat	gggcnnnnnt	360
ggagaagaaa	cttttganca	ggtgcnncca	ngaagggatg	tgatttgggt	atttggcacc	420
atcacccctc	aatcagnaac	cttgatttgc	ttaccctacc	agggtgaaag	aatgggnct	480
tccttaaaa	cctcttgggg	aaaccctta	aatttccaac	cttttttctt	tttttaaaat	540
caagccttcc	gaaaaggnc	ttggttncct	ttaaaaatgg	aaaagcntta	tttccatggg	600
taaatggngg	cctttttttt	ttttttttgg	ccccgccttt	tttctttaag	cccaaaataa	660
ggattngggc	ctnggaaatt	aagtcncca	ggaattaant	ttttgggggn	aaaaaatttc	720
cattgggttt	tnaaagttan	cccaanctta	accccttttt	nccttttttt	tnaanaanaa	780
attnttttaa	angggggaat	ttangggntt	naatcctttc	ctttctctaa	accngggggg	840
ggcccgggtc	ccncttttaa	aanggggttt	tncantttta	aaatccttcc	gaancctggg	900
gangaagggg	ggggaaaaaa	nancctnggg	ataatttttc	ctancn		946

<210> 2094
 <211> 827
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (1)...(827)

<223> n = A,T,C or G

<400> 2094

ttatccttaa	actcttgttt	tttgcagatn	nntnnnacga	ttnnnncgag	gctgcttcgg	60
ggactcagcc	atnttgctac	tgaggtgctg	ancgcegtcc	tcaaggntct	ctaccacctg	120
ctgaagcacg	tagtgtgtct	ggagcccgat	gacgtggcca	agctccatgc	ccagttggcc	180
ctagaagagc	tggatgacat	catgaaaaac	ttcctgttcc	ctccacagaa	gctggagaag	240
aagatcatgg	tcctgcegtg	gacctggctc	caaggacgtg	gaggaggcag	gcagggccag	300
gcacccagag	cccggtgcca	ggtcttccag	caggtggccc	tgctgcctct	tgagtgtctg	360
cagcatggct	gacctcggg	gtggttttat	ggtgcangtc	acttgggtct	tcanggtccc	420
ttccgagggc	atgtgttcag	cactcccgcg	tttcagcctg	aggggtgtac	agtaaagaag	480
aagacagtta	cagatctcat	taatctacat	ttttcactgt	cctctancat	tgaaagaagg	540
atgtctacct	ggtgaaagta	tattttaaca	tgactgatgg	aatttcta	attgcccact	600
cttcttggn	cttgaaggan	aaagcgggtt	ggccacccca	ttttgtcacc	taacctctat	660
antttctttc	aggcctgaaa	aattctttcn	ttcnnggaaa	aatgaaggaa	ccagaacntg	720
ggcncctt	tggttggtt	canaaangca	ttttcannaa	ttaaggaaaa	tgccaatttt	780
ggaagttggg	ggaaggggna	aaggnaaata	nttnttcna	aataaat		827

<210> 2095

<211> 961

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(961)

<223> n = A,T,C or G

<400> 2095

gcaggatnnn	nnnnnnnnga	attcggnncg	aggetnacnt	aagtcaaatg	cagtanacaa	60
tggatagtca	tcacagattt	ttgtacatgg	gacttcacat	accttaattg	aatatccatc	120
gtgtacaaaa	tattgtctcaa	gcaatgtagg	aatcaaggga	ataaaagctt	attctgatnt	180
tatagagcat	ataacagcca	tgtaaatatg	catggtatag	agaaatcagt	ctatgatgga	240
tgtccagcaa	agttgcagag	cattatatan	agttgctttt	gatatgagcc	ctanaataaa	300
ttgggtaga	gagggagtgg	gggaatttga	gataattttc	aaagaaaaat	aaaatatggg	360
gacaaaaaac	aatagataac	aatcaggtgg	ataagctata	ttttgaggtn	tttaaaaatt	420
gttttttaca	aattaccccc	tngtttttgg	agtattatta	tccttngccc	aaaattcatt	480
tccttaaata	aaaatatttt	ggcctggaat	aaaccctggg	ggtggggnaa	ataaccatta	540
aaaatggggt	taggggtaag	gaaaaanttt	tggggaaaag	aaaatccctt	naccantant	600
tttttccaag	gttnanccat	ttcctntggg	gggaaaaaat	tccatggcct	tttaaaaaaa	660
atnttggaan	aaagnttnna	aaaggngccc	tttggggann	actnaatttn	ttaattnccc	720
cctaataaat	tttggggggc	ccccattaat	tnggggnattt	ggnccccaaa	attttttccc	780
nttnggnaaa	nnccccctt	taaaccattg	gcttttggna	aaataagggc	ccattgntng	840
gggnaaaccc	tttccttnaa	atanaaaaaat	anttttnggn	gggnaatccc	aaattgggga	900
anaaaaancc	ccntnnntcc	cnnctcccn	ncnncnncnn	cnnntnnnnn	cnnccccccc	960
c						961

<210> 2096

<211> 828

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(828)

<223> n = A,T,C or G

<400> 2096

atcctnnnnn	ncantnnnnn	tttngagca	gggatcttat	aaagggcntn	aaataagatg	60
tgtgggtcac	atagatagng	agcgtaacat	ctgtattaaa	cataggagag	aagtttataa	120
agggcattgg	caataaaactc	tttgttgag	ctgtnttcca	agcagtgtaa	atactttttc	180
ctgtgattat	gtatagcctt	ggaatggcac	cttttaacta	acccatattg	gtttgggttc	240
aatggntttt	tatatncaga	tgtatatatg	gtgctcactt	ttaggatcag	cagtgttnac	300
catttatgct	gcatagctgt	attattagcc	ttattagttg	tgtggttgac	ccctnggggt	360
ataccaaatg	tcantctgag	tggtgtctta	ctcctttgtt	tataagttaa	tgattgccat	420
gttntgtatg	ncatagtatg	ccgncacata	aaaagggagg	gagccgaaaa	accattacat	480
taaagataat	atgttgaccc	aactacttta	cttntcttaa	acantncttt	ntccccntta	540
acctnnccnt	cnaaaanttg	cnatatagtt	accagcnatt	gntntaaan	taaaatnttg	600
gtgggnaaaa	acagcccttg	ggntctcttc	cnngaattgg	ggggntctnt	tcntaatttn	660
ntcaaanntt	ctgggtccct	ctcgggccaa	tttcttttcc	tggtgntttt	aaaaaaaaag	720
nggaccaann	ntttgcaccc	ccctnttttt	aaaaaaaaata	tncttgggag	nnaaccccat	780
nttaaanana	ntaatcccc	ccccacgtgg	aanaattgga	cgtnnnn		828

<210> 2097

<211> 868

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(868)

<223> n = A,T,C or G

<400> 2097

taatncttnn	nnntnnnnnn	nnntngcang	atcnnnnnnn	tcaatncnnn	angaggggac	60
tcgttaccat	cactcccacc	acaggctccg	atgggcgccc	agatgcccgg	gtccgcctcg	120
accgcagcaa	gatccggtct	gtgggcaagc	ctgctctaga	gcgcttcctg	cggagacttc	180
aggtgctgaa	gtccacaggg	gatgtggccg	gagggcgggc	cctgtacgag	gggtatgcaa	240
cggtcactga	tgccgcccc	gagtgccttc	tnccctcagg	gacacggtgc	tgctgcgtaa	300
ggaatctcgg	aagctcattg	ttcaacccaa	cactcgccct	gaagctcaga	cgtgcagctt	360
ctggaatacg	angcgtcagc	ttgctggcct	catccgatcc	ttctctgagc	gtttcccaga	420
ngatggaccc	gagttggagg	agatccctac	acagctggcc	acagcccgat	gcccgattct	480
ggaagggccc	cagtganccc	cccatctggg	ccaagcttga	ngaaaatgtg	ttggccttgc	540
cccccaattc	catccanacc	aanggntgca	aagtggccct	nncattcctg	tggtgattta	600
aggggcctgg	gggaaggggg	aanggggcaa	ggaaaccttg	ggacctttgg	gtacttacct	660
tnaacttgaa	gggtnggtgg	aacaccaacc	ccctttccan	tttgtcaagc	aaactttttc	720
caacccttgn	ccaaattggg	ttttccccc	tcntggggga	atcctccaat	tttcattttt	780
ggcacttgcc	cattaccctt	gggaggtgga	ngccaaanaa	aaaaggggac	tttaaccaat	840
tccttgtnnt	taccccanat	tggaaggg				868

<210> 2098

<211> 812

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(812)

<223> n = A,T,C or G

<400> 2098

```

aangaacct ttnaactccc ngnncttttt gcangatccn nnnnnanegg tncggncnga      60
gattttcaat ttggagcatt aactttttgc tcatacacag ttaaataaat agaattagtt      120
ctatggagac ttngctgtta ctgnttctct tgggcagtgt tagtattcac cctgggcagt      180
gagtgccatg ctttttgggt agggcagatc ccagcaccta ttgaattacc atagagtaat      240
gatgtaacag tgcaagattn tttttttaag tgacataatt gccagttata agcgtattta      300
gactgtggcc atatatgctg tatttctttg cagaataaat gggtccctcat taaactctaa      360
agattangga aaatggatat agaaaatctt agtatagtag aaagacatct gcctgttaatt      420
aaactagttt aagggtggaa aaatgcccat ttttgctaatt natcaatggg gatatgattg      480
gtcaagttnt tttttccaga gttgtngttt gccaaagctaa tcctgcctgg ttttatttat      540
atcttgntat taaangttcc tntccaatc tgaaataactt ttngagtatg gctatcnata      600
cctgcccttt taagttnгаа actaanctca tcatttgcaa aatattgggt tagtatttna      660
actaccatct ggccnncnct cancaaatth ccgattagaa ccttttatcc cagctagnng      720
cccaaataat tngancaana agcctgaatt gnaaaaaaaa aaaanttnga ngggccaccn      780
tcctnggggg ntaaattaaa ancatntcgg gn                                     812

```

<210> 2099

<211> 744

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(744)

<223> n = A,T,C or G

<400> 2099

```

nctcaatcgc acgaggccat gggcactgtg agcctgggcc agctccccct gccccccatc      60
cctcatgtgt tctcagctgg cactggctct gccatcctgc ctcatttcca tcatgcattc      120
agataattga tttttaaaagt gtatttttctg tattctggaa gatgttttaa gaagcatttt      180
aaatgtcagt tacaatatga gaaagatttg gaaaacgaga ctgggactat ggcttattca      240
gtgatgactg gcttgagatg ataagagaat tctcgaactg catgtattgt gccaatctgt      300
cctgagtggt catgctttgt accaaattta atgaacgcgt gttctgtaat caaactgcaa      360
atattgtcat aaccaacatc caaaatgacg gctgctatat aāaagtgttt gtcatatgga      420
atttaatcgt aagccatgat cataatgtta actaaataac tttatgtggc actgcctagt      480
aagggaacta tggaagggtt tggatttctc caaatctggg agaattttca aaataaagaa      540
aataaccttt atatgatata ctatgactag gctgngtatt tcttttcaag gggatttttc      600
taccttcang ggttgggatg taggttaatt actattacca ttagcccanc cggtagggtt      660
tacatataca attttctttg gggagccaat aaaagntctt ccattttacc aaaaaccatt      720
tttaaatgta agttttggaa tant                                           744

```

<210> 2100

<211> 725

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(725)

<223> n = A,T,C or G

<400> 2100

```

agnttcgttc cnacgagagg acatgaaaag gagtgaanng ctaagaaacc ttagctgtag      60
tgtttggaat taacacttgg gaagtcatga ttgacaaata gagaatata aatttgtttt      120
atatcagtta tatatacata tttataactg atataaaaca aattagattt tgacattaga      180
aacacatata cacatactgt aatatgtact ttcttcattc tctttaacct atattctggt      240
tttaagtthc ctggagcccg tggagtaatg ggacaggaag gctcagaggg tctctttact      300

```

```

gatagttaag atacaaaaaa aactaggcca ggcgcagtgg ctcacgcctg tgateccagc 360
actttgggag gccaaaggcg gcggattatg aggtcgggag tttagagca gcctggccaa 420
catggtgaaa ccccatctct actaaaaata gaaaaattag ccgggcatgg tggcaggcac 480
ctgtaatccc agctctaggt aggtctgaggc aggagaatca cttgaaccca ngaggcggag 540
gttgacagtga gcccgaaatc gcaccactgc cttcanactg ggtgacagan caagactctg 600
tcttggaang cgggggaaga tccccnnan aaanntnna nntnnnnnt nnnnnnnnn 660
nnnnnnnnnn nnncccncc ccntaaan ntttngggg gntttntcaa aaaaccnnaa 720
aaaaa 725

```

```

<210> 2101
<211> 925
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (925)
<223> n = A,T,C or G

```

```

<400> 2101
cnnnnnnnnn nnnnnntnnn nntnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnntnnn 60
nnctnnnnnn nntttnannn nnnnnnnenn nntnnnnnnn nnnnnnnnt nntcgccnc 120
ccccnctnn tnnccctcc cccnnntnnn nnnnnntnnn nnnnnnttan nattannaca 180
aggtangaat ccgnanttta ttncctacan atgaagaatn catgnggagc ttgcttaata 240
aatcccttcc caccccaagc ttnttttatg actgataact agctccagct ggctttannt 300
tcagtatccc tagtgagctg actttcccca tcttgcctc ttctgcctac tttctgntc 360
cttctaaca ttgtttgcac tcattttgca tctggttact actaccttct tccccacgta 420
ccattttaaa gaaaacttcc cagccttcc tgnataaac ttcagccttg ccaccattac 480
acagattaaa ttatagcaag aggttagtta attcctcag gggctctgtaa tccttactta 540
ggtcgggtt gccagacca cactcttct gcaagtacta acctgcttc tacattggg 600
tgggtattta agaccctta atggcatctt gcaattatta agataaatga gcaanaatta 660
ttaaccaat ttacattggc cctgcatgtt tttccccct gcataccaca ctanccctac 720
ccaaagccac tgcctctgtt gctcactggt gtaccatcat gctgacctt caagtcttg 780
ggacatacta tactatatta ctccctacca accagacttt gctcanttgg ttgcatgtat 840
tataataatc cttggaacta tgccctcca cttcccttc attgccaatt aaagtctttt 900
ttccctttaa aaatcagctt acatn 925

```

```

<210> 2102
<211> 1296
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (1296)
<223> n = A,T,C or G

```

```

<400> 2102
tnttnnatnn nnnnnnctnn nnnntnnnat antntttnt nnnnatnnac tnnatanann 60
tnatnttnnn nnanntcnc antnnnnctc cncntctcc tntnmanatt tgtacatcnn 120
ntcttatncc nctentntnt ntgnntttng cccccccnc taacttnccc cccccacttn 180
antatnnanc nnnncennan ngngntnaan nccnngggg ggtntttatt ttntcctntn 240
gcccccccc cattanaatn canntctnt tattatgagc nnnacciaan ttnttttggg 300
gtngancann ttccattntc ctgggggggt tttttttatt tanacnttn nccttcttc 360
nccttnnag ncctattcgn tgantctatn ttaatcttt cctnanant gncntnnna 420
atnnnttnn nttntnnat ccnatctgn nccntccaan ttnagtntta tattttaacn 480

```

ntnttccnat	nacatcantn	cgctagacta	aactnaatnt	aaaaaccttc	atntgatcta	540
tnnatatttn	antaatactc	ntttnatttn	atnttantat	ttctcnannn	antntaann	600
ctctattttn	tatctntcna	tttatatttc	mntacnctnn	ttttcttcnn	ttcanntaca	660
ntncattttt	catangcatt	ntctactcna	tnntaanac	tnntntcttt	nantgatent	720
nactttnnnt	cctccctaa	tnctncttct	tcctcgnttt	cntncagnct	gttatnntan	780
tnactactat	catactanca	tnctactcna	tatngtntan	cacgatatct	nnnnanant	840
tnntnancna	ntnaactctn	ntnttantan	nctantatat	ntananannn	ntntcttcta	900
ctnttccacc	ttntctatn	tccttatatat	antactnta	tatnanatna	ccnnattcta	960
nnattntnct	mnttacnngt	ncanntanct	catatntctt	atnntcnmtc	ntctatntaa	1020
tcactntact	tatactntan	taatatnttt	attnannctn	tnacngctac	nnntctacac	1080
tnctttatnt	cntacgttac	ntganttant	tcatanctgn	atatgtntnt	atagnnttct	1140
ganctanact	nantattcta	mntantnctt	ntccatncac	tnnttgctcn	tacttantat	1200
tatnanatca	tcntctcaca	atganatcac	tgnaactnta	cttttntaat	gcataatntn	1260
ttgtatttat	catcnactct	cacnnntctn	tannca			1296

<210> 2103

<211> 729

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(729)

<223> n = A,T,C or G

<400> 2103

angtttcgtc	ntctgatgat	nacactcact	taatanccnc	cgtttaannt	gatgaatgtg	60
gctttttttc	ccttcacttt	antgntcaaa	aantngtggc	tattgagnan	atntcttctg	120
attnattctg	tgacancctg	ttatcngatc	nttatgtaat	ctttcagnag	atnttcatcc	180
tttcatatcc	acattcttat	gtggacttgc	tgaagaaaca	gaatatcagt	tcaaaaacaaa	240
acctaggcca	ggctgggtctc	aaactcccga	cctcaggtga	tccaccacc	tcggcctccc	300
aaagtgggtg	gattacaggc	atgagccacc	gtgccgagcc	ttccttgaag	ttttttgttt	360
ggnnttgatt	tgttttgntt	tgntttgttt	tgttttgttt	tgttttgttt	ttggagatag	420
ggtctcactc	tgttacccat	gctggagtgc	agtggcaca	tcttggtcca	gagcaacctc	480
tgctctccag	gctcaacaat	cctcccaact	cagtctaagt	ggctgggact	gcaggcacgt	540
gccaccagcc	cagctaattt	tgngttttgn	taagagatga	agggttgcca	tggtgcccac	600
ggctcgtntt	ggaacaccgg	gggcttaaag	gaatctgccc	tnnttcccc	tccaaaagtc	660
tganaatagc	aggtgtgant	catcatgccc	ancctcttgg	aagtttactt	aaccaatng	720
gaaaaacng						729

<210> 2104

<211> 761

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(761)

<223> n = A,T,C or G

<400> 2104

antnttttctg	aattcgacag	aggttgtgtg	taccgtgtgc	cantgtgtcc	catgtgggtt	60
gtgccaggta	gagaaacagg	atntcaatcn	tcatgtacac	agttcaaacc	cnggcttgn	120
nagccatgtg	ggctgggtga	tggattccc	tgagcacagg	ccccgtactg	cttccatcag	180
ctccagcccc	tcagaagggg	cgcctacagt	tggcagctat	ggctgtcccc	tcagtcattg	240
cccaagttcc	agcatccttc	ccatgaactg	ctcaaggaaa	atggcttcac	acaacacgtn	300


```

taccataagt ntcgnaggcg ctgccntaat gagcggaac tcttgggcat nggccaatct 360
natnggatga acacactctt cacgctttnt ggacttcttn ntccgaganc acttnaacna 420
aaaanatggt atgacggagt tcaangcacg ctgggctctt ggaggancgc ccaaagaaaag 480
gctacanatt tggtttgga gtgccttttt cngatactac anttattggc ctggnaaaaa 540
gaannntncc ggctggncat attcnaggga ttttcangan ggaaaccggn gaangactat 600
naagcctggg ccaactntat tgggctggan naanttctgg acctnttga aatattccaa 660
agncnaaaat ttggacattt gncccaaac nngcnanaaa nnctctggaa aaatccgacg 720
nttttgaaga cttccgaggn ngattccccc ctnggntgan n 761

```

```

<210> 2105
<211> 1451
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (1451)
<223> n = A,T,C or G

```

```

<400> 2105
ccnncnaaca aacnnattaa gatnnnnntn tatnntnagt tnntttngna caagaantnn 60
cnnntgttna ntacnccnnc taanccnctc nnnttatnt atntaaatct nggntaaaaat 120
ccctttgnc cctnannntt tanaaaaaaa ntatanatnt tagagagnga ctnganatcc 180
ngngggnttt ttaaaancca tannnacana tnaannacta cntnttgnta gncnaaaata 240
tnaagcngan aanatttnnn antntnnaag cgcccagnna ttnnaanntt nagnaaant 300
anncgtaag nntnngatga caatanntnc nnnncacnan naatnaatcn acatantatt 360
ntnagnntaa acatatacng canacatctt nantatnacc tnatatacna acacactntt 420
ntcgnntanga tntntatcta tacacnnnna tagaactatc gtgttnacan tnatntanta 480
tanatnacat ngcnnacat nancgagnac tataaaantn tcagnannac tctnatanaa 540
gnacatatna ttngnecgntc tatacatgtc aanaaacnac ttagnataca catgatanat 600
acanaaaaac tgatntacat ccngatggnt ntataacaga tantgaatng tagacaatat 660
cttagaatat anantngaa taaaaaanna ctnatntaaa tnaaanatgn atncatnaaa 720
nanaaangtt agatntctta gttcntacna tgngatcacn ctagatcata tataaanga 780
naaatatcnc nacagananc ttnatnaaat atanctctca tnnatnttga taanacacgc 840
tatntacgga taaattacta anntnatcgc anatanaant cnangtgtgc aaanaaaaaa 900
nacataccta catgncacta ncacgataca gactnntanc gatcttnacg ngngtcncat 960
ctatattttg tanantacna nacgananc ntncgaatac aatacaanca tatcnnatat 1020
tgtatnatat atattntata gaaatnnaan ngacttaang tgctgatgtc aatcacntgn 1080
ctatatgna ctganngnna ncaaatacan ttactacata agatatatnn atntaatata 1140
nacaatatat tacatacatt cnantatgna nacnngaant gtnaancact ntanncannt 1200
atgacacaat cgnaatcat nctntatnac cgaannataa atntnatatn nngaatagag 1260
acgacactat aagatnanat gtagnctaan aanactaann ntanncngtn acnnatatnt 1320
cntcgatnta actgtaggt nttannacnt anttannata tnantataat ntatngagac 1380
actcaaatna tatntacnnc ntnaacnnta atagtgncta natatntaat nntntgatta 1440
tanctannnn a 1451

```

```

<210> 2106
<211> 1509
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (1509)
<223> n = A,T,C or G

```

<400> 2106

tntnnnnant	accntanntn	atntccnata	nntnnannca	taattncaan	ntannttnnn	60
nngnancatc	nnaantggng	gacgaaccta	nnacgcttnn	cnntatata	actattatng	120
ccnnentncn	nntatccnc	cntnttcnn	ctntnttna	aacntaaaa	cccgggggaa	180
taanatnnac	acttcenncc	cgtctaat	tnttaccana	acannantac	tcttnncn	240
ttttttntn	cgaggtancn	natnttctac	naggggggnt	ttttttntn	anaaatttat	300
ctnncccttc	ntaatntcc	attanntatt	ncantnann	aatcttca	acattccntc	360
antccnannn	tanaagtcca	ncccnaaacc	nangacntnn	accncnntta	aaacacgnan	420
agatanttct	nnaacnnata	ctntnctccn	antntnttgt	tcaatctatn	cagnatntcn	480
tancactcaa	cnacnccant	aannacntnc	gnatnatntn	tnataccant	ntacctaact	540
ntncacnca	ncacnttact	ctacatnnna	cttctcatcc	tcgtatngna	ncnataatta	600
canaatttac	ctctatecan	tgnttnncnn	ngtnttttaa	ataanccttan	catattatat	660
naaannctat	ctatecctaat	ctatgcatnn	natactctatn	ncttctctac	ccnaactatc	720
atnatnttct	cctacnannn	ttctaccnnt	acatgnnaag	annactaacg	tnatnactca	780
catcncctaca	cnaaanncc	ntnancctta	ncccaannan	acnnnacaca	nncttacnta	840
tnnctancac	antnatctcn	ntacnaannt	tactctant	tcgagctana	cgatantcaa	900
ngtatnttnn	catactctcc	cncnctttt	tataattann	nacnngaant	cacanntctc	960
aacnnaacct	aancatatan	actatcnacn	cgantntntc	ctatnttgt	atncnaanta	1020
nncatctnca	gnacnctgcn	ctaacncaat	atctcncac	tntgtaanga	acntcactat	1080
ttatcacctn	annatancat	ttatanttag	naacnnntna	tanatatact	tnnctatctn	1140
nncnnacctt	anctcncat	ctacgntanc	nctcnnatcg	ananttatnt	aanntanaca	1200
nnctacanta	cgnattgcan	cccnacnana	ntatactacg	atccntatgt	gnattccttn	1260
tntcccaena	ntnntnanac	tatcantatc	tattncgncg	nacaccacnc	naatncctca	1320
cctaacattn	ncacacaccc	ctncntttcc	catgnttttc	aaanatacat	cnntcatat	1380
agctancgca	tnacngctg	cctctacnat	ctganggntt	atatgcaa	nnatcatata	1440
cancntnatg	cnatatacnc	ncatanatac	atnctccatc	nnntatntac	tatntacn	1500
atgcgccca						1509

<210> 2107

<211> 1314

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1314)

<223> n = A,T,C or G

<400> 2107

tnnnnantnn	ntnnnnnnntn	nnnnnnnnnn	nntnnnnann	tentntntnaa	nncnncaatn	60
attcnacata	atactannga	tgctcnnttn	nnngaantnt	ancnntatct	ctcantatnn	120
antannan	ntatntnccc	ccnctatct	tancnccnac	tgcatcannt	tntntntnaag	180
nanntcgaat	cggnncgnan	ntnannant	attatggccg	ncnagnanan	actnaaccag	240
gatgtatngc	agaanctact	tctactcatn	natcaacntg	ncaanngggg	gnttttttaa	300
nnaccccatc	tnnacaggtt	gatcnatacc	anggcttggg	aagagcaata	ccaacaagat	360
ggctttccca	nagactgaac	ttccgtacnn	tttaccatcat	naatgcaaan	anctanccaa	420
atcctnggan	aatncaaaat	tataannaag	aaccttnnaa	nctnttttat	ttctnactcg	480
tntngtnnaa	aagtatnctn	ctcnncgacn	ntcttcanat	ttctttactn	tgntactttt	540
ntanacnttn	aatntcactg	antncgngnn	tnacntatnt	ngtgnattaa	cttatntatg	600
tctntataaa	tcacantata	atgttatgtc	taatnggnaa	antttatacg	nnntacataa	660
cttnnctnta	nnnctgtaac	agttntcagc	aactatcnnt	tatctngctn	annctntact	720
ccnntacnat	actaatanaa	anctctntct	nntaanacat	tcnntactna	aaganctana	780
tntntnecat	atnaattcta	acntngacta	cannatnaat	nnngatncat	atatacnaatc	840
ntatacnatc	tcntcttcnn	nnaaanancg	caaatnanac	atatgtgtat	naaaatacnn	900
tatatatnnc	ntttacnnnn	ttctatcnta	taaatntnt	acntctaate	gtgggnatta	960
tatntatcnn	atctnccatt	angccenttn	ggntacnana	tattcnntcn	accntncnac	1020

gntactanac	tanacatatc	tatntnccct	ctcntacgca	nattattnct	attcctcaga	1080
tanttccaac	gatgaggntn	gatacntnnt	nntttacgct	naanaantac	aacataaatc	1140
tctcntatcn	atgtntnnan	acaatcaana	cattntcnct	acttncgaca	caacaactcg	1200
ctntctcatn	actntnncna	ctcactatnt	aatatananc	agannnnncn	tatcatctaa	1260
gcaccccant	tntnccatta	ntacttngtt	attacatcct	ctnctctctc	nmca	1314

<210> 2108

<211> 1456

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1456)

<223> n = A,T,C or G

<400> 2108

ncncncacnn	ttnacnnan	nnaacgacat	ctcnanntat	annnnngant	anntncacan	60
tncnmnaaac	tnccccccc	cactcncccc	cnmntncant	ttaancancg	cactttctgc	120
cttaaaaaag	caccnnntat	actacagtgt	aaacantatt	tnnttnacct	cnantttggn	180
gengncccc	tcnncacctc	atgngggngt	nttttttaan	ttcancatnn	ncccatntaa	240
ntatcaatat	cgnnantnca	cctcnanata	gttgtnattn	tctaacttan	caacnataca	300
ctacatacan	actnanacnt	cctagtgcac	ntanacnnan	gcatacnnc	atnntatcgc	360
aancaacctc	ntctctngta	nnnncngtc	attnnnnact	catatcctna	tctatacaan	420
aanncnctaa	ntntatatct	acgtannctn	tnacaaatca	ntaacnaana	tcnnacntnt	480
acatatcgga	ctnntanctt	acnctctcat	tnctcttcnn	tnaacatacc	gtantnnntc	540
gcaactatan	atngacatat	atnncgtacn	ncannnttac	tnctctncaa	cgcataannna	600
nanncanncg	caaaanatac	gcaacgcatt	tnntnacgca	angcnatccn	atannattca	660
tnnctnaact	cntatcgcta	aactnattca	taactngatn	acttacccta	nnatctnacc	720
aatntatntg	ntcaccceca	nnncttnagn	atnatcaatt	ctnnnnnctc	tnnccncenc	780
tanagaaatg	nctttntaat	ctttncctnac	gacttaccna	atctatgatn	taanctctac	840
atcacnanac	antacannna	cctanncnat	tcanaagtan	atcntacnna	cgcgttagna	900
nacctancna	cnacncatca	anantcgta	nacctatcta	tcgactcnnn	cgnacgtatn	960
ncacnncac	natcgcntna	cacanaacac	nacmntangt	tactaaccnt	ctagatctct	1020
tcanaacnnn	nnnaactcna	ncatcgtaat	ccacntattn	cctntaccac	cnatcnatct	1080
ntanttcnaa	tcgnatctac	acntntactn	tacatctacg	nacncatca	antanacaan	1140
ntanmtccnc	atantnctnn	ccaatgancn	aananaagta	ntangcnatt	ncntcnttcn	1200
caacgtntnta	tagntancnn	angtccntna	catagcagnt	tcnntctann	tnngatatta	1260
cnatnntanc	acntattatc	cctntcaant	tctattccnt	tnnaaatcnn	atnccctatna	1320
tnannccact	tatcnnnccn	atgcactana	aacacnatnn	ncctctacnn	cnatncctan	1380
nannancatc	tatnacacnc	tnnacntacc	tnntntaan	tncaancnctn	actnnnnccn	1440
cnnacnaaca	cannca					1456

<210> 2109

<211> 1107

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1107)

<223> n = A,T,C or G

<400> 2109

acnttcgttt	ngaacaatat	gcaatgtgaa	gcggtcgcnc	gtgagtttag	taaggctgtg	60
tacactgact	acacactncn	ggatgcatg	agcnaagctg	gtgatgagng	ggaaatttgt	120

tttatatcag	tnatatatac	atatntataa	ctgatataaa	acanatgata	ntttgacatt	180
nganncnnt	nnaaccatg	cngtccaana	gngctcccta	gnntntctct	gncatngtan	240
gaagaccgta	acctntntc	actncnatgc	accttnaatg	caantcagac	ctatttccct	300
ccttggggcc	cccctnnatc	tgcttcacca	nccttatttn	gaanggnaga	acanttcanc	360
aaanggtgga	ggnggganan	canngnnacc	ntcctttnaa	ncnngaannn	attccctccc	420
cnngantnga	aaaancctat	tgncctcttc	taattaagna	gagntcanca	cgntnanacc	480
ttntncncta	ngntnaaacn	nactntantt	nnncgcnggg	nttttcatat	nttacccttc	540
annctncacc	ccttcttnac	ntnctccnta	cnnctatccc	cacnatntcc	caatccctaat	600
ntnnatanna	antnagccac	gtcngctnat	cnnncacttc	acacaacatn	natctncnac	660
ncaccacn	ntntttntct	ctctcancnt	acntacatnt	catcnaanca	cantctnacn	720
aangaaatca	attcnannat	nnctcancct	ncctntntc	ntnnnanagt	tnnnnttcac	780
ncgtntaatc	tcattngtnt	nngactatca	gctcncanna	ngtgtnnnnn	cgacatctca	840
tcgtaacact	tatcngcnn	ncnctctaan	ncnananaan	tancngttta	tatcncnctn	900
natntntct	acntntaact	cctncntttt	cngtatttna	gcctantct	nttnangnct	960
naatgnttca	tatatacatn	ncctttcgc	cntncaccta	ccttcaata	nncgtatnnt	1020
ctngntcanc	cnacatatac	taatntannn	ncntntnta	tatnctatat	tnctgctan	1080
ctntnattcn	acntnctctg	ntacgcc				1107

<210> 2110

<211> 1475

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1475)

<223> n = A,T,C or G

<400> 2110

cccnaaccng	ttntntttn	tantannnt	tnnccnannn	nnnnnnntng	anaantanac	60
naccntaan	ntntaaagca	anncnataa	ncgnnanatc	ntanncttan	cntangennt	120
tannntannt	naatngnang	ggcaaanatn	antannntt	atnanncttn	ttaancttat	180
ttntncccc	cccgantcta	cntaceccn	acttcntaan	cnnannnnac	nananaanaa	240
anaccngggg	ggtcnatcac	nttaatgagc	ccccngcatg	naatgtaaaa	ntccnanaat	300
nttncnatt	ttgcannagg	agcnananga	cnatatgcgg	gggntntta	taannntttt	360
natccccct	tactttaact	anntccnnnn	nnaacaatnt	ncnctntccc	cnatnntant	420
ncncannttc	tacnnnannt	nnnntcct	tnntntcneg	nancntattg	nccttnnnnn	480
taanatnaac	tnattnatn	attanncn	cgnnattaac	annccgcata	nacantntta	540
aatttnnttn	ntnttncttn	ccttntacn	acataacnta	tnatnctna	cntacaannt	600
atnaatntac	cnantaacgt	ctantantca	ntatnttca	tantcacact	gactcngcnn	660
tattatanan	tcantantat	cgntaacatn	tangnatata	acgatcgat	catatcntac	720
ntctctntat	cactntgntt	ctangntact	tnanatgc	ntaatantct	nantactnct	780
tatntcagct	acnatatnac	ncntacgata	antataactt	acngatttnn	tcacntancg	840
tatnttatac	natcatnttn	ctctcaccac	tactanccaa	cnnanatatn	ntnaaaantc	900
tnntttctaac	ttaagctacc	cncgacgnat	agnccgatant	atntananat	attcaaaactn	960
tnacnnntnn	cntnacatat	ctcacacant	ngnannctcc	tttttatgna	nctaanatat	1020
ncatntnnna	tctantatct	tatataatac	antatnctca	cactcatcta	ntnatntcan	1080
ncctntnata	tacctnttaa	nactctcnan	atgntatcat	cctcanccac	tctctnttac	1140
ggatatttct	nnatncatcn	ntatgctaca	natacaangt	agtactatan	nacntanct	1200
nacgatatan	ttatgtancn	canatngcta	tnacnncn	anncngata	gntacattat	1260
attnncgta	actnaaactt	atacnaatnc	gctgntntna	tanactatcn	atatctanag	1320
cataactnnn	tattatntaa	tacnaagctn	tnatctcgt	atgnatcacn	aaacctntct	1380
atantcacnt	natgtacnat	atctatctat	atctaannat	acnccaacca	cntntacgta	1440
ttctaaccat	ntctntata	agtttcanat	accca			1475

<210> 2111

<211> 950
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(950)
 <223> n = A,T,C or G

<400> 2111
 nnnnnnnnnn ntcnnnnnnn nnnnnnnntn nnnnnnnngn ntcnnnnnnn nntnnnnnngn 60
 gnantnnnnn nantnnnnn ncncntntn nnnnnnnntn nnnncgccnc ccncctnana 120
 nnncccccnc tcnnnnnnnt nntnnnnntt ttnaantaca anttcggcac ggaggataaa 180
 catcttttta ttcaggancg ctgcgnacnc taacnnncnn ncagggttca tgggattggg 240
 taccgaggng tgaggaggga atctgcaatn ggcttgntac aagagaacac gcccttttct 300
 ctgnagattt ccgcccgaag tcgtaccata ctctttaaca gggcacaaac gtcagcaact 360
 tcaagtttcc tgtgaggatn aacatccaga gtttctaata actaatctcc atngtgcaaa 420
 agaaaaggcn taacctcagc cccttnagac agcttatgcc angagaagt catgaggtat 480
 tntaanaaag gctgtngtta ctgnccttat ttctnggnga gcaaggagga agactgtnac 540
 taatatttnt tggaatacct aatntgtacc acacagtgtt cccagagctn taganatatt 600
 aactcacata attntctaaa taacttgaag aaggtanata ggaattttta nctccatttt 660
 acaantgaa aaaacataat gacagngatt gggtgacttg cctaangggc acacaggcct 720
 catgangtaa atancaaatt tagcttttag cctcagaatc ttaantcaaa agcccttatg 780
 cccaagcncc gcaaaggaag annaagaaaa atccacggan ggttnagtgt ggtngnaaac 840
 ngantgaang gntccntggg gtgtaaaatg gagtngtgga acccctggag ttatttcnaa 900
 nttnttcttt ntttntctgaa naccctctag ggccaaaatt nggaatggcg 950

<210> 2112
 <211> 710
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(710)
 <223> n = A,T,C or G

<400> 2112
 antttcnttg gctgcttatt acgctcacta ttatcaacag caagcacagc caccaccagc 60
 agccccctga ggtgcaccaa ctacaactca aactaatgga caaggagatc agcagaatcc 120
 agccccagct ggacaggttg attataccaa ggcttgggaa gagtactaca agaaaatggg 180
 tcaggcagtt cctgctccga ctggggctcc tccaggtggt cagccagatt atagtgcagc 240
 ctgggctgag tattatagac aacaagcagc ctattatgcc cagacaagtc cccagggaat 300
 gccacagcat cctccagcac ctccaggcca ataataagaa gtggacaata cagtatttgc 360
 ttcattgtgt gggggaaaaa aacctttgtt aaatatatgg atgcagacga cttgatgaag 420
 atcttaattt tgttttttgt ttaaaatagt gtttcctttt tttttttttt ggaaaatgcn 480
 aaantntttn tccntcntga tgggggggta ntttttttgt gnaaaaaaaa aaatgggttn 540
 gtttttagtt ttaaggggaa atgccccctc ccncaaaagg tttggcaatt atgggngna 600
 gccttgggga naaaaaggcc ttttnaagga accttncctt tnaaaagcct ntttgggctt 660
 ccaataaang tttganccca aaaaaaaaaa aaaaaaaaaa aaaaaccctt 710

<210> 2113
 <211> 815
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (815)
 <223> n = A,T,C or G

<400> 2113
 atntttttcg aattcgacag aggttgttgt taccgtgtgc cccgngngaa ngacggacac 60
 tgtatgccac natgccnatn tttagnecat tttcctgac caaacaagct ngattgtttt 120
 cagctaacag taaccccaga tgagggttac taccagggtg gaaaatttca gtttgaaact 180
 gaagttcccg atgcgtacaa catggtgcct cccaaagtga aatgcctgac caagatctgg 240
 caccccaaca tcacagagac aggggaaata tgtctgagtt tattgagaga acattcaatt 300
 gatggcactg gctgggctcc cacaagaaca ttaaaggatg tcngtttggg gattaaactc 360
 tttgntttac tgatcttttg aattttgatg atccactgaa tattgaagct gcagaacatc 420
 attttgcngg acaanggagg acttccggaa taaaagtngg attgactnca tcaaacgtta 480
 tncncanag ataaaaaggg gacctattgc agggcccnat gggccttngg cnacaanctt 540
 gtcttcttac cntttaaaac naagtnatgg agggtnngcc ccccnttttt ceggannttt 600
 aaagcctgcc cttttnnann tncntgggn nttngcccc canttctctg ganaaccctg 660
 tttgcccctt caanaaaaga aaaccatttt ttcatagaac tngcctnctn tttgngtntt 720
 ttngaggaaa ttttttnnat taaaataaca ttcennnaaa aangctnttt agggggcctt 780
 nntnaaaaaa gccttttcgg attaccntt tannn 815

<210> 2114
 <211> 898
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (898)
 <223> n = A,T,C or G

<400> 2114
 ccnccctnccn tngtannnnn nggcctnnn tnnnngnnnn ncnnnncccg nngngngnccn 60
 gngnccngtn nntnnnnnnn tntngnctnn nccgcctnnn ngnggggncn nngnnnnnnn 120
 nnnnnnggtn ggngannnnn tntcgtnnnc ctncnngcnn gnnngctent nttcnenttn 180
 gngnntnccg gnccccccg gcnnnnctn tncccccac cgcctntct nttnnnnnnn 240
 ntannnnnnn tatnngcncg tntaacctn nntcctggg gggggggtnt nttcatnttt 300
 ctncnnnnn nnnnggncn ncccccnna nntgngncg antnnnnnnn nntnnnnnccg 360
 cgagagncga nncnntnct cgentnctnn tntgncggg nggcnnntn cnttncgcc 420
 tcnngggggg ntttttttn tggngncag ngcccnctg nanctncn ctcgtngggn 480
 tgntgntcnn cgggtctnt cccntctnn nntctctant tncgttnnac cnttttcann 540
 tnnnngntcc tctncntcn cncnccnnc ccttgnacn nctnnntnan tnanctnnnn 600
 tctncgctn gcncgnnttc cagtnnngtt annctgtcn cnnncgcggn nactncnnag 660
 ngtgntcgc cnccttngg tncgcncnn ttgcccgnata tntnnccntc nnnccnttgg 720
 cnntgtcnnn antntagncc tngcgtntc gtannnngca ctctccggn nngtngcnn 780
 cngtacnccn catcctnan ntgcgtcnn ctngannnc anccnctn tctntngcnn 840
 tnnnnnccct gntnannatn tctctnngan tntntnctna tancggggtg cgtntnccg 898

<210> 2115
 <211> 1351
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (1351)

<223> n = A,T,C or G

<400> 2115

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tcctangca acgatgttan tnnnatcnt gcacnanc ntactacac atctatcttt    60
cnngcgtacc tntacagaa tntntantca cncatacan ctantnntct atgncccccnc 120
cnnctttacc cccnccccc annanncntn naaacntgaa nccngggggg tnttanttan 180
cccttgcccc cccggtanct nttatanaaa aaatacgtaa nantattnaa gtttttngtg 240
nctacnntnn anccatntgt gnggggnntt tntttnnant tcacgntcca ccttttctna 300
acnncannct tnatnacatn annagnngac acntcacent cnacannact tnttngttat 360
ntttactaan nnattganaa tatenctact nattctaact ggngnctacn cttgngannn 420
antgncgmn nancacttcc aannagaaca ngnttnnaca acagtantgt cnactacnnn 480
nantnatcga tcactntatn antnnacntt ttcnttatct ctanntactn gacttttcct 540
acnanttcca attacnntn annanctnnc cttntactta ntccttanca ctananatcn 600
cncacaacna ntacacnaa taactntacn ancgncntat taantaagct aaggaccgna 660
acnctcgacn tatanncacn ctactntnta tntacnntct tnantaacna aatntancat 720
agggcganagg natctacact anacncatat ccttggtccaa aagataccct aatggnttac 780
gctacgttnc gatctccaac ntaactcttat atangntata catctcttnt cagcatacta 840
ctntacgtat acanattgct cgcnaacttca cgntatntca ctnaagntat gcccntntct 900
ncatctgntt atatanngcn attcaaattn cngctctcnt naatgtaact aannttncgt 960
ntcgattgnc acncttannt agcntatgnc aatctnntnn tnnntcatat nttagacacnn 1020
anctntggga tatctntaat tttgatcacn tatnttnaat tangtacgca ncgnaatgtc 1080
ttctantgta cgtgctataa tntatnggnc tgtaccgtna ctantgtntct caattttatct 1140
cacatatana cactatatcn aagtangntn caaatnatat ntacngtann tncctttacn 1200
ananatnact atctactan nattatacta tttaannagc antatcanct ntngnagcnc 1260
nagcagcnc nctatacnta nntacnttct attacctatn ntctcaccct cctactcatc 1320
naaantanc atgtntacac angnaaangc a 1351

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<210> 2116

<211> 705

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(705)

<223> n = A,T,C or G

<400> 2116

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anttcnatcg ccgaggcccg tttgcaaaaa tgcagcaaaa aagttactta gtctggctgt    60
ttagtagaat ttacctctac tcattcatca gcctctttat atatatgatt ttaagtcctt 120
tcattgcact gatcactgat acatacgaaa caattaagca ataccaacaa gatggcttcc 180
cagagactga acttcgtaca tttatatcag aatgcaaaga tctacccaac tctggaaaat 240
acagattaga agatgaccct ccagtatctt tattctgctg ttgtaaaaag tagctatcag 300
gtttatctgt acttttagagg aaaatataat gtgtagctga gttggaacac tgtggatatt 360
ctgagatcag atgtagtatg tttgaagact gttattttga gctaattgag acctataatt 420
caccaataac tgnttatatt tttaaaagca atatttaatg tctttgcaac tttatgctgg 480
gattgttttt aaaaaaactt taatgaggaa agctattgga ttattattat ttcttggtta 540
ttttgccatg gctttagaat gnattctgna tgcctctctt ttgctctgat ctggtgctct 600
gctattctga tgggcaactg nttaatagtg ggaaacaatc ctgggctgnt gggctttggc 660
aactcagacc ctgnttggn cttctcaggag tcactctgaa agagt 705

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<210> 2117

<211> 737

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(737)
 <223> n = A,T,C or G

<400> 2117
 aagttcaatc ggacgagacc cttcttgctg tatctccggt gtgtatcagc tctccaactc 60
 tatgtcataa ttcagttcat ggggatcttg attaccttcc cctccacaa aatattacac 120
 tgattggtta tatcgatgac attatgctga ttgacctag tgagcaagaa gtaggaacta 180
 cattagactt agtggaaga catttgcatc agagggtagg aaataaatat gactacaatt 240
 caagggcctt ctaccttagt gaaattggta gggaccagc gacatggggc atgttaggat 300
 atttcttcta cgggtgaagga taagtacttg catcttgctg ctcttaaaac caagaaagag 360
 gcacaatact tagtgggcct ctttgggttt tggaggcaac attttccaat ttcattatgt 420
 tacaccagcc tgtttaccaa ttgactcaa aagctgctag ttttgagtag ggccagAAC 480
 aagaaaagag tctgcaacag gtccangctg ctgtgcaagc tgctctgcca cttgggtcat 540
 atgatccagt ggtgtttcaa tggcagtggc aaataaggga tgctgtttgg aagcttctgg 600
 caggtcccta tangtgaatc ttggtttaag attttagagc caaaaccgg ccctttaccc 660
 aacaaaataa ctagtctttt ttttgagaaa acaagcttct tgggcctgct actggggcct 720
 taataaaaan tggatnc 737

<210> 2118
 <211> 738
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(738)
 <223> n = A,T,C or G

<400> 2118
 agttcntttg gaacaatatg caatgtgaag cggctcgtgtt gtgagtttag taaggctgtg 60
 tacactgaca cctttgcagg catgcatgtg cttgtgtgtg tgtgtgtgtg tgtccttgtg 120
 catgagctac gcctgcctcc cctgtgcagt cctgggatgt ggctgcagca gcggtggcct 180
 cttttcagat catggcatcc aagagtgcgc cgagtctgtc tctgtcatgg tagagaccga 240
 gcctctgtca ctgcaggcac tcaatgcagc cagacctatt cctcctgggc ccctcatctg 300
 ctcagcagct atttgaatga gatgattcag aaggggaggg gagacaggta acgtctgtaa 360
 gctgaagtgt cactccggag tgagaagctt tgccctccta agagagagag acagagagac 420
 agagagagag aaagagagag tgtgtgggtc tatgtaaatg catctgtcct catgtgttga 480
 tgtaaccgga ttcactcttc agaagggagg ctggggttca ttttcgagta gtattttata 540
 ctttagtgaa cgtggactcc agactctctg tgaaccctat gagaaccgcc gtctgggccc 600
 cgncatgtnc ttancacaag gggggccnc cgttttgagt gaaggtttct tganctgctc 660
 ttgaaataaa nccttgcttg gctgcttggg ccttgggcct taattcaaat ctattgaatg 720
 cttgttgncc caggtttt 738

<210> 2119
 <211> 685
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(685)
 <223> n = A,T,C or G

<400> 2119


```

ttcataaggg ctctagaaaa aacgagttat tcacaccagc atcatcttaa ctaacattct 60
gaactagtta gtgcagcttt tcattgtgtt gtgtggttg tctcataact aggttgagtt 120
tttctcctct gctgaggaaa cagtaccgaa gttctttttc ttgtggcatt tgtattataa 180
aaacttggtg tgggggagga gcacaaaact ccagcccact gaacctctgc caattaagat 240
ggtgttgggt taggttacat ctggttactg tcctgggaaa atcattttta tagagatggc 300
cttccaagtg gttttaaaat ttactgaagt ttttaggtca attatgtatg ttgactaaat 360
ttacaaataa acttgtttat ccaactaagt gtccaaaacc taaattgaat gtactaagtt 420
ttcacatgtc ccattatcta gnccttgnat actaatgttt tgaacttaga tcatttcang 480
tggtgtttgg tggataaagg aaccttttat ttataaagaa tctgtagaaa gcatgtgaac 540
aagctctctg cttgattaag angccataat agtgctgtat ttgcagtngg ggctaagaca 600
aagtatatta ataaagcttt cccccccca ctcccgttcc ctantgnana acccccaggt 660
gnanaactca gtcttaaact tcagt 685

```

<210> 2120

<211> 763

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (763)

<223> n = A,T,C or G

<400> 2120

```

agtcnaacgc gagttnncta gcannttntc nagcaatngg catgncatgt agagctccna 60
ngatttgta ccatcctgca acaggagcca gaggagaata tgcctcaatc aaaatcaggc 120
taaaaatttg tttcaattct gcgtgtgagc tgggacctta agtctttctg gtcgctattt 180
ggtaggggac caaatgtggc cagtcacact ggaaaagttt attttagatt gtcccacttt 240
gtgacatgca ctaggatctt ttcattgtga gagttcattt tttccctatg aagaaagaga 300
ttcaattagt ttattcattt tgtaggtaat tttgagggca ttggggaaaa cagaagtagg 360
tggtcctctg aacaacttgt acaataaaat attttggcct caatttgaca caaatgatg 420
ttgacattgc tgcacataag tccccatgga acttattatg ttataaaca caagagacac 480
tcttagaagg gaataccttg gtccttttnc agtagaagtt ccgaattctg gagaaaacatt 540
cgactgcatg ttttctagca atgagatatt cgattcaagt ccttggagtg tatggggggg 600
tttcaagttt ttgnttggag ttgngggctt tttttttgaa aatnccatta gngggtagna 660
aattttcaaa gaatgggncc ccagtaaaac cacttgggcc cagtcntttt tggacttcaa 720
gtggaaaaaa aaattggggg tttccnngggg ggaattttcc ctt 763

```

<210> 2121

<211> 816

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (816)

<223> n = A,T,C or G

<400> 2121

```

agannnagta gaagggtccc tttcctaaat ccttgacgat tgacaacacc ctttttccct 60
tttgccgacc ccaagagttt tgggagttgt agttaatcat caagagaatt tggggcttcc 120
aagttgttca ggtcctctga caccttttgg tatcgtaaat tttactgatt tgtgtagaat 180
gtcagttgta ttttaccagc taatatctag aaatgctggc aagagggggt tactccagct 240
ttagattgta ggtatgttag cttttttcat acagtgtatt aaatttactg agtcagcttg 300
ctgaataaga cagaagccca agaattttta cagtgtgtag ctttagttgt ctaaaagtta 360
ggccttcggg cttcaaaagt tagtggcat cgaaaagcat taatctttgc agtttcaggt 420

```

```

acaacacatt ggntttgatt aaggatgggg atggggccct ctttttgag aatggggaaa 480
agtattgaca ggaatttgag agctattggg angcccagtg gtataaagggt attgtgaaaa 540
acaagaaatt aaagttantt ggtcttgnaa gtggactgga aancattttt aaggctctta 600
tcaaaggnc taaaaaaatt tgggtaaaat aatggangtt ttgggtaaat gcccaaaatt 660
ggtgggcca gtngggaacc aattattttt aaatttttaa aaattttattg ttaaaattgg 720
gcattaaagt taccttaagc cccaagtta tttttttta aatnaaaaaa ggtttatttt 780
nntttaaacc naaaatgttc aangtttgcc antttt 816

```

<210> 2122

<211> 712

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(712)

<223> n = A,T,C or G

<400> 2122

```

aaatgcantg tttgaacctg angaaaagtt aaagtgtana aaatattgnc ttgccgaagg 60
attttgacgn cctctgtcag taacttccat tgattaggca gacatattca ggtaaaccct 120
aatcattaaa aaaaaattat caatgtagaa agtaattccc ttttttctct ctgagatata 180
cctcaatcac acacttcccc acccccactt gaaacagacc tcttcacttg tgtttttttt 240
tcctgagggt gagtcttccc ctgttgccca ggctggagtg cagtgggatg atcttggctc 300
actgcaactt ctgccacctg gggtcaagggt attctcgtgc ctcaacctcc tgagttagctg 360
ggactgcagg cacgcgccac ctgtattttt gtatttttag taaagacggg ggtttgccat 420
gttgcccagg ctggttttga actcctggcc tcangtgatc tgcccacctt ggcctcccaa 480
agtgtcggga ttacaggtgt gagccaccgc acctggccaa accgnttcac tttgtaaaan 540
aaattaaggc taataaaaaa gngtaagtt ttttganaaa atgaaaattt taactttaac 600
cctttttcac taagtaaaat agccacaatc ntcaatttct tccctttggn aaaaaggggg 660
gttacctaact ggggccctac cctcatattn tattgaaaaa agnaattttg nt 712

```

<210> 2123

<211> 802

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(802)

<223> n = A,T,C or G

<400> 2123

```

actttacaat ccnagaaat naactcacta ttatanacan ngagcacngc nacnatnagc 60
agcatctagn tgcagnctac gtncattgag aaggaggtct tccccattat ggccaaggag 120
gggcagctat atgccatgga gttacagggc ttctggatgg acattgggca gcccaaggac 180
ttcctcactg gcatgtgcct cttcctgcag tcaactgaggc agaagcagcc tgagcggctg 240
tgctcaggcc ctggcattgt gggcaacgtg ctggtggacc caagtgcccg catcggccag 300
aactgcagca ttggcccaa tgtgagcctg ggacctggcg tgggtggtcga agatgggtgtg 360
tgtatccggc ggtgcacggg gctgccccgat gcccggatcc gtcccatc ctggcttgag 420
tcctgcattg tgggctggcg ctgcccgtg ggtcagtggt tacgcatgga gaacgtgaca 480
gtgcttgggt gagacgtca tagttaatga tgagctctac cttcaacgga acccagcgtg 540
cttggccaca agtctattng gcgaagtcaa tggccaaaaa cctcgtattc atcaattggt 600
gaaaggggna tgccaatggg gggcttgggc ccgaaacccc ccgggttttt ccattttcaa 660
accaaanggg ggaatggct tgggcccttg acaccaatc agaaaagaac cccttgggac 720
cttgggcaat ttaatttttg gcctnggggg gggggccact tggggttggg aaaaccttn 780

```

aaaanctttt ttttgggnac nn

802

<210> 2124
 <211> 1508
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(1508)
 <223> n = A,T,C or G

<400> 2124
 cnaancannn aanncnncct nntcctnnnn cncatnnnnn tcncnatann ctnnncannn 60
 canncnannn nnnnnnannn nngtgtntcn cnanncanan agggncancg acncnaccnn 120
 ancnncantn atntnnnant ncccccccn tanncanccc cccctcntn nnnnnnnna 180
 natgncgctt atcnantecn ngggntttat atnnnaccng anaanccgaa gtcgatagaa 240
 atgaaaggcc tgaattttgc acgaangcat tccatgtntt ttatagnagg cnaaggggag 300
 naaatntttg nggatggag tacaatgtg ccttngtaaa atatgttgna aanggatcat 360
 ttcagaaccc ctngcnacnn cgtgncanac tntcannccn nnnattaatg gaatttnecc 420
 nctggtctcc ncngcncaa nccactggct nngnatgtg gnnncaccng nccggggccn 480
 tatttggcac nnngaaggcn annaaaactn tntnncacac nccgcnncact cntncntagt 540
 nggaccctt tngccnccn annagngca cncgtaact antngnnntc nnggactcac 600
 ccacactnan ccatnacnnc cacaatatnt angtgttnat tagatgngat aagtnccttc 660
 actcgatcta atctnncant cncatannt tcgaaaagan antgctngan anctcnanat 720
 gcanactaa tnnncanacg gtcatanaaa nctcactgtt tanctgcct cgtctanana 780
 ccgnanccat tcnnatcant tacacatngg aannaacccn cccananngt naannncata 840
 cggggngacg gggtaacacc cctctcttc acntatnaat ngggnnaaac cnaaatntta 900
 tccaaaanan tttttcttaa tngtctntcn nncgntnnac atngaaatgn tnagcctcng 960
 ataagtttna tatnccactga naanaanacg ngactatncc ntccnaccn tctcntanna 1020
 tcgcgaaang gncgaaaaaa tactcgtnnn anacgaatan canncgctat gataccgnac 1080
 gncacnannn anncnmntgt aanntttntc tccactctnt gncacataa annagatnta 1140
 actancatnt ncacttnagg gaaatgttaa gnnacngngg tcaancgnaa acnttgacgg 1200
 gnggcacgag tatattaaag aatnnanann gtannnctnn tagntacanc nccactctcn 1260
 ggcganacga agaantnatt anaaaancna cagatngnna ctataatgta aattanacg 1320
 aacnngcac gggcctcna cgttagtntc ctcctctnn tcnatggnta cncacgtnat 1380
 ctactgaca cnnntantaat tccnnntntc tccagccnaa ataaccaacc tatntttatc 1440
 ntccatangc tcancagcna tgcttatcgt ctnnccatctc aaaccganca tanctgnagc 1500
 cntcnccg 1508

<210> 2125
 <211> 805
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(805)
 <223> n = A,T,C or G

<400> 2125
 tanccttnaa ctcttgctt tttgcagatc nnnnnntca attcggnacg aggtcagctc 60
 gggcaagccc tccganaaga acctctacgc cgacatcgac gccgtttnnn nggcnctgag 120
 cncccggtat ggcgtgagtc ccgagaacat tatcctctat ggtcagagca tngggactgt 180
 cccacggta gactnggctt cgaggatga atgcgcagcg gtaattctcc attcccctct 240
 gatgtctggt ttgcgtgtgg cttttccgga taccaggaaa acatactgct ttgatgcttt 300

```

ccccagcatt gacaagatat ctaaagtcac ctctcctgtg ttggcattca tggtagagag      360
gatgagggtca tcgattttctc ccatggccta ncgatgtacg agcgctgtcc ccgagccgtg      420
gagcccccttt tgggttgaaa ggggcttggg cataatgaca tagagcttta tgcacaatac      480
ctagaaaagac taaaacaagt tcatactca cgaacttctt aattcctgaa gacaacaact      540
tggatcttac ctcatctact gngaacaaga anantcctct gttttgcaca tgctttaact      600
gggtagctgn aaaaggcttt gataccatga aaaaatgccc aaccctttag ggggntctaa      660
atcaaaaagac cttgatgaaa tctcaagtct ttttgtatcc taagangngg ggtcntgntt      720
aattcncaca aacacgttaa aactggaaca gtcngngaag tcccnncctt tcattaccct      780
tgccaggaat ngggaatgaa aacn                                     805

```

<210> 2126

<211> 882

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (882)

<223> n = A,T,C or G

<400> 2126

```

tancctttca actcttgntt tttgcangat nnnatnnncc nnttnnnntt nnngtcggat      60
ggtaaatttc agatttttgc ctatagaggg aaagtccctg tggttntnag ttacagacct      120
gccaggggag tcctgcagcc agacacctg tccattgcta gccatgcatac attaccaaat      180
atatggaccg catggcaagc cataaccccc ttgggtggagg aactgaatgt cctacttcag      240
gaatggcctg gactgcacta caccgtgcac attctctgtt ctaagtgcct taagagagga      300
tcgcccacac caccatgctt tccagggaag tctgctgtga tagagaactg cgtaacaggc      360
cttttctgtg agcgctcact catacattat gcacgacgtg gctaagatct ttgaagcgca      420
tggagacagg cacatctctg agaggggagt tgctgagtca gcccanaccg gaaggagtgg      480
cagagatcat ttgcccacag aacggcagcg agcgagtaaa tgttgccctng gtttaccac      540
ccacgcccga ctgtgaatca agccccctgg ttccaaagaa ngaaattggt ggggtcaaaa      600
agccacanga aaaccagtg gaccgttttc gnnggcctgn tgggaaattn tcccattggg      660
annaaaaaag anaaagcnat tnttgaacca cctnggaac caatntnttt ttgccanccc      720
ttggggcaaaa accccttttt ggnaacttca acccccaaac gggggtttct gggggaaacc      780
ttngagttgg nacnaaacgc nttgccttgg caaggggngg gccntttctn ngnacaaaac      840
ttgggggggaa aaaaaggctn gggggaaagn ggggtttttn tn                                     882

```

<210> 2127

<211> 1222

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1222)

<223> n = A,T,C or G

<400> 2127

```

caagnggggg ngaggggggg ggnaaaaatt nnnnatntnt ttccaaaaac cnaattnnct      60
ncccgaaagg gaaattntnt ntncncccc acanaaaaa anggtttttt tnttntcnn      120
nnnnnnnnca ccaaccennn ncnncnaca nncctngnn ngcngnnccn ngcnnngng      180
ggggggggtt tnttcncaa nntcnccnac accgggggccc cancgtaat attgtcgnaa      240
aaantctttt nananncaan gngggggcnn atntnannca gnnngngagg agaaanaanc      300
nnttaactnn cacanaaang aggtctctcc ancgtgcnc natcncccc acngctgtna      360
nntgggnccc ccccccaaaa ngaccccccc gccataatcc tggcccnaga aaatacttcc      420
cnnngnagc cattccccat cnccttcncc tcnngantcc cnangcccn angngantt      480

```

```

ttanantccc ccaggtaagg tctnanatng annccncnag aatggngnga ccccccctncc 540
cnggttgga gnnacttntn nngnaanggg nangnacccg gggaaanccc ncccnccncc 600
agccntggcc ataaaaaccg gccnaatcc angnntntcn acccttccnn cncannaaga 660
aaaacttteta aannccccna aanaancanc aanteetnat ggccccaaaa nannnangcc 720
attaaccccc ccnnaattt ntccgctcac ccnggngcn gnanatttaa ncccaccaat 780
aanacnnccc cagncctt cnggggggnc ncaaanann ngggngaat cntgnaaaaa 840
aaaacntcc cccncncg cgnaancggg ggnaccnna caatantct ccgcccanta 900
cannccccctc cnnatantcc ccccgcgnt nnaaacnccn canncgcgac canaccncca 960
ctcctctctc gannacacn gntnnggtgc accgcgcaa acccnccnna cataaannca 1020
cacccccccc cnactctacc ccccaccact catnatnccc nctccanccn cnetcccccc 1080
centtctcat ngcacncccg cnatacgna catcncgaa ctatgncgng ncccccccg 1140
tncacggacc cngcccatg gancccccct agatcnagga ccccccccn ccggaatctc 1200
ccccnggtnc naacaccccc cn 1222

```

<210> 2128

<211> 789

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(789)

<223> n = A,T,C or G

<400> 2128

```

ntaatccttt caactnctng nnccttttgc angatnnnnn tnnnnacgaa tnnnnnnccg 60
agagttagaaa tagtctttta tgaaatnnta tacttatgga aaatatatga ctggtatatg 120
attccttttag aggaagaaaa tttcaatttt cagattcaaaa ggaagcacc ttcttagtct 180
atatatatag taagcggaga actagtttta cagtgtctcat ttcaggtctt cagtaagtgt 240
gtatgatgat gtcagaagta ttcatgtgct cactttcaaaa tctactgaaa ttcagccatg 300
ctaaggttgg ctattacgtg tattagcgtt tccaagcgag tgggtcttggc tggggtgaga 360
ttgtcagctg tctgttagga ttagtcacaa caaacatggt gcaaatggt tccaacaaca 420
gcgcacttca aggttacctt cataattctt tctgccagaa cccaaaaaac aatactcttg 480
agctactcag tgttccaatt gttaaaaatt tctgaaatt ttcttcatg tattcaaagg 540
ngaaacataa agatctagaa ggatggtgt gaaaaagtat ggactttata gtatctagt 600
ggcattttca ttgagcccaa atgataaatt ctgtttccaa gtcttttaag tgaaaaaaa 660
aaacctctag aactatagt agtcgtatta cgtagatcca gaaatgataa gatccattgt 720
gagtttgac aaacccact agaatgcca naaaaaatgc ttattgggaa tttgngatgc 780
tatgcttan 789

```

<210> 2129

<211> 1481

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1481)

<223> n = A,T,C or G

<400> 2129

```

aancnccnna cnganaanga nannacnca ccgacgcgan nccggngcga ngnnnnacna 60
ngnganacnn acacacacnn acgcgcngang aggnacncgc ncngggnaga aanangnaga 120
ngngngcanga nncacgagng gnnangacag ggnaancaca nccgagcang nncgngcaca 180
cacgagaacn cacnnnccnc ccngcngcac ccctaagngg aaaanccct ttnccaaaaa 240
annnccnggn nnnagnnnna nacacngang aacacgaagc acgnccccc acancgcac 300

```

angagcagcn	nnancagnca	aaacnannaa	ncngnncagn	cganncacgc	naaggcncna	360
gnanncnaaa	ccgacaacaa	cacnanacaa	actaanaaaa	aaaacaacaa	ccnncgcnan	420
gnacagaann	anagnaaana	naacaanaaa	naagannann	gaacacngaa	cnannngcan	480
caagcnaaan	aanaganann	ccagnanccn	cagcncgnaa	caaganngga	nngnagnaaa	540
gccannggnn	nnnannanaa	ngcgaaacgg	gnannanaag	aaacnngnng	nncnaangaa	600
aaancacagc	anaaccnnaa	aanaanaaga	aacgggnang	gaangcnan	nncaaaaccg	660
ggangncann	gcggaacaaa	ncnaccaacc	actacgggga	cangncancg	natacangcc	720
nganacanac	gcngnanana	ggcgaaggcn	cgacagagga	ancnaaaaca	cnagnaana	780
ngnaaaagaa	annnggnaca	cacngaancn	nagnanaaaa	aaangcggga	natccaacaa	840
nagccacgna	nttgngggaa	ngnannannc	nnagcgaccg	aaaacnannn	gcacgggnca	900
gtnatggaan	gcnagcannc	cacntgnnc	ccannncnnt	cnaccnnngn	aagntgaanc	960
ngntcnaacg	aancacgtgn	aggnnctggn	cnangacnca	nggcacatca	cacacagctc	1020
tccacgaata	ntctgagaga	cagaagcggn	aaaanaccnc	gcncacnca	cganaaanac	1080
ncncganang	acgaccnnc	aaacaanacc	gcggaagnnc	agangacgan	nangggngac	1140
gcanntgncn	ccnagcagag	acgnanncg	nagngacga	nggaccgaag	cacgacaanc	1200
ncgacaanga	catgggcggg	agccacacna	cnngngcg	gggaaaaaaa	aaaaaaagac	1260
cangcacagc	ggnggcgac	gaaacagcna	ggnggggana	naannncnaa	gaacagngac	1320
gcaagaaaaa	nnngngngg	aaaantacaa	ctcacgat	tgaaccggn	ggagggcaaa	1380
acacacaacg	caccnnaag	gaaacgnaca	cgangggggg	gaggaaccac	aaaacatcac	1440
acaaaancgn	ngggnagcnc	gacaacaaaa	aaaangggng	n		1481

<210> 2130

<211> 1153

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1153)

<223> n = A,T,C or G

<400> 2130

gncangngag	gcacgcgcac	gnnggcnan	naagnngcgn	ngggannnca	cggannga	60
nnnggggann	ccnnncnnc	nnnngcnnaa	ccttgcactc	cggtcnnga	ggaggnccca	120
cgcccnagc	ggcagagga	gaagcncaaa	agcncanggg	ccttnnnaag	gccccnnang	180
gaacccaggn	agggngngg	agganncnna	nagaaannna	aaaccgggag	gcgncncnca	240
aacggcanc	cggnngnacc	cgncccgncg	aaaacngaac	caaannngag	gcgggggaaa	300
ccccganaag	nggaaacggg	ggaannanaa	acnnncggna	ncngganagg	gcngggggca	360
caaanaantc	naaaaccntg	aggggaagggg	gccnnncnng	tnnaaancaa	acanaggggg	420
ggnnnaaaan	ggggggaanc	cggaaacccc	cncacgcngn	anggcagngg	gngangnac	480
nggggaaaaa	cccaccccc	anaacncnag	gacncnctn	ggggcccaac	anaacncanc	540
ccgngggcgn	angggaaaaa	naananaann	nnnagagggg	gggggcgcga	cgcgaaannn	600
ncannnnngcn	cgcgggccan	ccnngggggg	aantccccga	cacnccnngg	ggaaagaanc	660
ancctcctgn	annngnnngga	cccatgnggc	aaaccccaac	tgggtaannc	gngcnaaccn	720
ctgatngggg	ngggcccaaa	taaaaaacca	ancnaggggn	ggggcccgag	aacccagang	780
gtaaaacagc	nncttaaaaa	aaaattggaa	nnaggggan	ttnggnntaa	naacccaaaan	840
agnncctagg	aancncgggc	gnacgggctn	anccacncg	nagaaaagga	anctcacgng	900
ggaacnanaa	gcgaatcccc	agaanaaaaa	aacccnncn	ngggcaccce	aaacnnggcc	960
nggnctataa	aaaanggggg	cccngggcta	anaggaacaa	anncanntcg	gggnnanggg	1020
ggnnnanaac	cgaaaggaag	aaagggcngg	ccccaacng	ggangggggg	nnaanancag	1080
gtagatcaac	cnactngggg	gnaaaagggg	gncagggacc	tctangnnag	ggncnncann	1140
cggggggaag	ann					1153

<210> 2131

<211> 779

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (779)

<223> n = A,T,C or G

<400> 2131

gnantcnnnn	caggatgcac	gggcactttg	gaggaccnag	cggccactct	gagtaagatc	60
atccaggtgg	cggtggaact	gaaggattcc	atgggggacc	tctattcctt	ctcagctctc	120
atgaaaagccc	tggaaatgcc	acagatcaca	aggttagaaa	agacgtggac	tgctctgagg	180
caccantaca	cccaaactgc	cattctctat	gagaaacagc	tgaagccctt	cagcaaactc	240
ctgcatgaag	gcagagagtc	cacatgtgtt	cccccaaaca	atgtatcagt	ccctgctga	300
tgccgcttgt	gacgttaatg	gagcgccagg	ctgtgacttt	tgaaggaaac	gacatgtggg	360
aaaaaaacga	ccagagcttg	tgaaatcatg	ctgaaccatt	tggcaacagc	gccgattcat	420
ggccgaggct	gcaagacagc	tcccggatga	atgctgagag	gancctggca	aggttttcaa	480
cccagatgaa	ganntgaatt	gaaatctgca	agactgaatt	ttnaaatgcg	attgctatgg	540
ggcaagcaaa	aggtgcacaa	gtcatcagac	nggagagatn	ttgagnanat	tcaacccagg	600
attttaactg	ccnctcgcg	taaattngga	accttcttct	tgtaaancag	gcagaacttt	660
tgantaactt	ctcccgagaa	ccctttaaaa	tattntnttc	aaagtttccc	ccaaccttca	720
atntttgngg	aaagcntact	ngnnntcgnt	naaaatnnca	ntnggccaaa	anttcnnn	779

<210> 2132

<211> 826

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (826)

<223> n = A,T,C or G

<400> 2132

nctaaacctt	tnaactccng	ncntttgcgg	annnnnnngnn	angaantnnn	nncagattnc	60
actggaatat	nnaaaaantt	tnctttttaa	ctccctatag	gtcaangntt	ttngtttcca	120
tnatatacggc	cataatcntc	catagctnag	ntnatatgcc	attgttgat	tanaagggan	180
caaaaanccta	nggaacaaa	tagncttgcc	aagtggcag	tttgtgccct	ctcagctgtt	240
taacttatgt	aatggatgtc	cgcacctgaa	aacactataa	aaatccagcg	gttgntnaaa	300
aagnccatnc	gtcactaatt	ccatncaggt	tctccaaccn	cttcttgaat	atcattgcc	360
ccattttttac	tgttagaata	aagaggcgac	accataaagc	cctgctgaca	atgagagtng	420
gntcaggaca	nctgtgattg	aaatatggcc	gctattttaca	gtntttcagg	ggaaangtaa	480
nacnntcca	tgnaantaa	agagctnaag	tgggtctaca	gttaaatgng	acatngcagg	540
gacgannata	ntttttaaaa	cnacaatttc	gntgctaaaa	aagcctncta	ggcccnngcc	600
aaattaatgc	agtnanaacc	nnggggttgc	caaaaangga	antatcacc	cntnctttaa	660
aaaaangctt	aaccccccca	tattecantc	ttcatcanac	ccttgnttnc	cntctggttt	720
aaaacgnnaa	nccaaacctt	gggntggnt	tgncnaacct	aaacccccac	ccaaaaagac	780
cgaccttggg	tcctatngnc	aaanaaanc	ccctttttca	tttggn		826

<210> 2133

<211> 868

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (868)

<223> n = A,T,C or G

<400> 2133

antcngactc	ttnggaaaac	ttcncnnntt	ttaggaaaaa	anccccccna	annnnngggan	60
gnnggggnncn	aagaataang	angtnggccg	gttttnnaac	antancccn	tnngnanggg	120
cttnnnnttt	ntnggggnat	attggnnacc	naangggcng	gnngggaccn	aaaantgggg	180
gnaananaaa	cnnaancnc	ggttttggcc	ttncctggtt	cccttaanna	ttcngggaat	240
gggntancaa	aatnggnngg	aggcttntng	nngttaacaa	atggtaactt	tcaagagact	300
tttagaggga	aaaaaataat	ttaaaataac	tggcaaaactg	gttcaannnn	ncccccnant	360
ttttcacgng	cataaacccc	ttttaaaaag	gnaaatTTTT	acactatTTT	ggtngttaa	420
aagggaggca	tttctacttt	ccttngagggt	tttnggtggt	ggccaaaccc	ttaaaaaaca	480
ttttcccttt	ttngggaacc	atggagggtt	ataagggtta	ttaacttttt	tccttttacc	540
atnggtttac	cacctttttt	aataaaaaaa	tccaggattt	ttttcaagng	gggccttctt	600
ccccnggaat	anttaaacia	ggaaattggg	ttggnggtaa	acctcaaaag	gaaattnggc	660
ttttttaata	ngaacttggg	atTTTcaaaa	tttctttaaa	ggnttcagcc	cttttncctt	720
tatcaaaatc	cacaaaatTc	atgggtattng	ggaaaattaa	ttaaaatggg	gcaaccccaa	780
aaaaactggg	ggtttttnaa	aaaaaaaaat	ttttttgggg	ataatcaatt	gganggggct	840
ggggccacan	ttatattatt	ngggggggg				868

<210> 2134

<211> 808

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(808)

<223> n = A,T,C or G

<400> 2134

ngtctttttg	cagggatnnn	ntnnnnannn	ngnnnnnnag	gnattngaac	aaccacctgt	60
ggnttttata	nctnaccncc	gatgangnca	tggtntttga	ttccttttag	aggaagaana	120
tttnaatTTT	cagattcaaa	ggaagcacc	ttcctagtct	atatatatag	taagcggaga	180
actagtTTta	cagtgtcat	ttcaggtctt	cagtaagtgt	gtatgatgat	gtcagaagta	240
ttcattggct	cactttcaaa	tcactgaaa	ttcagccatg	ctaaggtnng	ctattacgtg	300
tattagcgtt	tccaagcgag	tggtcttggc	tggggtgaga	ttgtcagcct	gnctgttagg	360
attagtcaca	acaaacatgg	tgcaaatggt	ttcaacaaca	gcgcacttca	nggttacctt	420
cataattctt	ttctgccaga	acccaaaaaa	caatactctt	gagctactca	gtgttccaat	480
tgTTaaaaat	ttcctgaaat	tttcttcatg	tattcaaaagt	gaaacataaa	gatctagnan	540
gatggngng	aaaagtatgg	acnttatant	atcttagtgg	gcnttctcat	tgagcccaan	600
tgataaattt	ctgttttccc	aagtnttttc	angttgaaaa	aaaaaaaaacc	nctcncaacn	660
ttagnngngg	tnacttncg	cnagnncccn	gncattgata	aagacacntt	ggntnagttt	720
ngggcaaaac	ccccacctgg	naatngccnc	tganaaaaaa	ngcttttttt	tgggaaaatc	780
ngnggatggc	tentgcttta	atnttncn				808

<210> 2135

<211> 1013

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1013)

<223> n = A,T,C or G

<400> 2135


```

ngnntcnnat cctttgcaag ccctgtgct cttnttggcg agggatccca tcgattcgaa      60
ttcgggcacg aggggaacatn ttncnaattn ggctcctttt ttnnatTTTT ccnngaattnt    120
gggggggnaat tttcctgggg gcaaaatngg gnntTTTTTT ttggancccc aaccctttgg      180
gcttatggag attggaatcc tntcangggg ggaaccaggg gangccattt ggnngataac      240
ggttcaattt ggaccgcccc caagggantg gaacttacca ttgggagggg cttttaaaaca      300
aaggaacttt caacaattta cttggttttc ttaanaggcc cttacaaaaa nggttaaacc      360
cccagcaaca ttggaaattt tttggagggg ttttttantt ccacaaaaag gatggatngg      420
gncttggtcc tggaaatgaa tcacaaaaaa ataagaaaac accnnnnacc gccaatTTCC      480
attcaaaaag gggccaantn ggatgaacct ttgcaagatg ccttggggcc ttaggaaaaa      540
accttccatt ccttaagcct ttttaatctg ggaccttagg taatcntatt ggacccattt      600
caaatatttt ggnaaggccc tttnaagtaa aggggggggt ggcaagaaaa ccttcaattt      660
ccacaaaactt ggnccgnacc cctttgggga aanaacctat ttaaaaataa tctttnanta      720
ntcaaaaatn tcaagggtan ttggaaaaaa agctatTTTC ttcntntngg atgggttnggt      780
caagcaaaaa attcttataa ttggcgaacc agaacagggt tcccncctgg ggggatattg      840
ccaatccttt atggaacttt tgcttgnnga acaatgaatc ggatgttga aaattggaat      900
gtggcnttgg nnntataatn ggggttaaaa ngggaaagaa tgggaagtng gnaantggct      960
ttantgnaca aaaaaatcta atngggcgnt tnatgnangc tggaataaat ncn              1013

```

<210> 2136

<211> 777

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(777)

<223> n = A,T,C or G

<400> 2136

```

ngagtcnnnn cgagacttgg caaatgttgc taacaacntc aagcagaatt tgatgacggt      60
ggcaaacctt ggtgtggtgt ttggaccac tctgctgagg cctcaggaag aaacagtagc      120
agccatcatg gacatcaaat ttcagaacat tgtcattgag atcctaatag aaaaccacga      180
aaagatatTTT aacaccgtgc ccgatatgcc tctcaccaat gccagctgc acctgtctcg      240
gaagaagagc agtgactcca agccccggtt ctgcagccga gaggccctg acgctcttcc      300
acaccgttca gtcaacagag aaacaggaac aaaggaacag catcatcaac tncagtttgg      360
aatctgtctc atcaaatcca aacagcatcc ttaattccag cagcagctta cagcccaaca      420
tgaaactncag tgaccagac ctggctgtgg tcaaacccac ccggnccaac tcaactcccc      480
ccgaatccaa gcccaacttt caccctntc gccatcttgg cccatgttct nggcgccatc      540
cagccctatg cccacctcat tcacgttcag cggactcatc ccccgtcagg aacacccggt      600
tcgggaangg caaaaagcct tgtntgcctg caaagctngn acattgactc canaaacttt      660
ccnttcacag gcangncnnc gnccttcgat aatgggtcac ccaatcttaa ggaaccttgg      720
ctgggttggg nggggggactc ttgaacngga aagactggcc tnaattcctt gaaaatn      777

```

<210> 2137

<211> 928

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(928)

<223> n = A,T,C or G

<400> 2137

```

gnagtcgnnn angcctanga tnagtnacc aataattctt ntacngnana aactcctaca      60
tccagcTTTT tttttttaag naccacaat ccgaatanca aataaanggc gttccgnnnn      120

```

```

ttgcacaaaag caggctggga tttacaggcg tgaaccacct gcacccggnc canaactgca 180
tctnaacagc naagncanct ttattcnnc ccataactga cagactnngn nnccatccat 240
ctcctcaggt tacagaggat aancggaana gaancgttac ccgtagaaca tatagcccac 300
gtacttcntt nncccaanag atagggtcca cnatcgcnna agctgntctc aaactgctgg 360
gctcacgaga tccncctgcc cngcacttec caaaatgctg ggantctacan gngngagccc 420
gcagtaccca gccagtntnt gnacnncga anacgggag tnnctnancn gcnanncttt 480
nctttccnan cnggncaaan cttnaactaa naatnaatcc cccttggnct anganaagcc 540
ntntttactc cccccactc ctntaaaaaa tgncccncc nntttcacgn aacanggnca 600
acccaaacnt gnttacnecg nacaaaattg ggctcccacc nttaaaantt tcgnaggcat 660
nancntgcnc cantnggaa cctctcctta ncnaatnggg aaaaacancn agggccctng 720
aaggnggcct ccttccann ggggnannaa gnttctggat cntggaaaaa anaaactccc 780
aacaatcgga gattntaacn gcnacnnaac ccaaaaccaa nnggggncta tcannaaang 840
aaggaantgc ccccgcatc nccccantn aaaanaanat ggaacacccc tgnttctctc 900
caaacactnt acaangaana gtccancg 928

```

<210> 2138

<211> 778

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(778)

<223> n = A,T,C or G

<400> 2138

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aantcnnnnc agccacaccc tgcctggcca acccctggca ctgatgatgc ctgggtgcgg 60
gttantttng naggagctcc tgcctgcctg gatgaagagg aggtcaagac tttgtcccc 120
actccgcaag ataccctctc tgnccggag cgggtgggtcc ctccctgtt aggacctgt 180
ctccctcang actggacctg gacccctggc ctgcagtcag atngccagtt tcacttagag 240
gtggaaatgt caaccactg gttggaatgg gaantgctg tgttngagc caccttatgg 300
aaaacccatg tggcncagaa ccgannngtg gtggctggcc aacagcaagc caggagctga 360
ggcccaacag tccaacaact ggtgaggaac cacatgctgc cancangcca tgttagggaa 420
cttagaagca aatccttncc ccagttgagc cntcagatga caccnnaacc cctcggctga 480
cccctttact tttaccctt tgtancnaga nctntgagc caacaanacc tcggcttaaa 540
acccccctg ggnttcctnn acccncagaa accttgaaan nantaacgg ngttgcctc 600
aagtcaaaac aaaaaaaaaa nnnactcnac cctctanaac catagcggag tcnanttacc 660
cacacccga ctttgathag aaccatntna tgaannttg ccaaaccccc actttnatgg 720
cgtgcaaaaa aaangttctt ttnggnaanc tcggcaance tttgntnnt nttcennn 778

```

<210> 2139

<211> 850

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(850)

<223> n = A,T,C or G

<400> 2139

```

ntttaancc ttgcaactcc nngntctttt tgcaggatcc cnnnnnnnt antteggcnn 60
cnggaaagat tgtggccaga tgtgcttng cttgctgtct agttgttgtt ttcagtttn 120
tagtggtgcn tgcccaagc ttcgttcagc agatttaata taactggtat ttaaggatg 180
tttatctggt ggtgttacag aagagagagg aaggtaggaa gaccaattag gagagcccat 240
tgccatggtc tacgctggag gggaaggatg gacctgtgag tctcaaaggg cactcctggc 300

```

tggaanggaa	tgaggaataa	tgagagtaga	ttgaccgggg	cttgctttct	tctactctct	360
tcagaatttc	gagatgaatt	gctgaaggac	ttctcttact	gaattctcct	caggggagtc	420
ttaattccan	gggtgagagt	accngaagac	aaaaagagaa	aaccnnaaac	cngaaatctt	480
gcccttagcn	tggaagacga	gggagaagaa	agagaangaa	aggctgtgtc	angaagtcca	540
gagcacacct	gaatgcanat	cantntgcta	tgagaccang	cccaaaagtt	cangcccaga	600
caaattccac	aagaacccca	aggagattcc	caccttgggg	caccgggttg	cntgggggcc	660
tggttaatccc	aancnctttt	ggggaaggcc	nannaccggg	tgggattcac	ccctgaggtc	720
cgggaagttt	cgggaccag	cctngcccaa	cattggccna	gacccttgt	tcttcttctt	780
taaaaatncc	caaaaatttc	ccttgggcat	tgntnccnag	gtgcctttta	ntccccactt	840
nttngggaag						850

<210> 2140

<211> 986

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(986)

<223> n = A,T,C or G

<400> 2140

gnatccccnn	nnnnnnnnncg	naattcggn	nacnnngggg	ggcctggctt	aacaaaaaaaa	60
aaaaataagg	aaaanattcc	caagcctggg	gnngggccgnt	nggggtccgc	cgccctccaa	120
tggtgatga	ngtacccaag	tccnggcttg	ggggaaggna	aggaacctcg	cancctgggn	180
gtggnaagggg	gattggggcc	tctggaggcc	cccanccgaa	gggggcccna	tnggtcttnc	240
ccnncngtna	ccnntctntg	gnncgtaccc	acaanggcaa	atccctagan	ccctntnecc	300
ccttccccan	atencacntt	tnnntacccc	ataacnntcc	cccccttana	ccccacanc	360
cctnnntccc	nnccacnggn	nnngcntnnt	cncctctccc	tnctcttctt	tcnancatcc	420
cttnnccgnc	ccncccttcn	ngcgacncna	catecntttc	ccccactccc	cncctctcct	480
teactnccc	ccncttccn	cncctegtat	ccnacntncc	ccccccctt	ctnccnccct	540
ctgcctctgc	ccctntnnnt	tcnccccccc	cttccncccc	ccnctctccc	tatnncttcc	600
cnccccccca	ctctctcn	cccgtccctt	ctntcccnca	natctcccc	atnctcgctt	660
tcttccccn	tacntnncaa	tnccctttcc	tcttntgtca	annancnac	ncgctnccct	720
caacctctnn	gcgcntnnn	ccccccacct	agctctctac	ntnctatacc	ctctgntttt	780
ntacaanttt	ccgcgggccc	cnnccnccgn	aaaaggngcc	tctaaannca	ctaantnaaa	840
cncctcccat	tctcttngc	gggccacctc	ctcnactca	tccctcttcc	tnntnctnct	900
atctactctc	ttctcttctc	nncctatcn	atcctcatct	accgcnccctn	cactttcccn	960
tnnttcacca	ctctcnacct	cgcacn				986

<210> 2141

<211> 828

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(828)

<223> n = A,T,C or G

<400> 2141

ncttngnccn	agntcnnnnc	gagcnccnat	gaggacnang	atgagtntga	agcnaaggat	60
gatgaacagg	aanaagatga	aggcagaang	gattcanatn	ctgagtcntc	agatttgttt	120
nctaatttga	atttaggaag	gacctatgct	agtggctatg	ctcactatga	ggaacaagag	180
aactagggga	gctgctctgg	tgccgtgtg	tgaganganc	aggagtgagt	tgtgtgtgct	240
tgatgaattg	tgtgtggttg	ttcaaaagta	ccttaccact	tagccttggtg	cagaagacta	300

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gttacactta atggggccang caataggntg tagcgtnntt attagaactg ataatcangc 360
ttatngcata agaaaaatga gtttcaaatt taagatgttt attgatccga agcaatttga 420
agcctcatgg atnnggattg tncctgatt tcagtaaagt attgttttgc caatttncat 480
ncatatnttc caagatnaag gggaaatagg gatggnaaat annnttgttt tgaaaattna 540
aattccctgn ttttttatta aaaaaaatat tggctttnat ttgggcctga atttntgtna 600
aaatgtaaat gnagctnaaa atggnantca ccngnttct ttncccttt ttnngtccc 660
ccccnaatgn ggaatcccta actcntggtt cntccnccct naaantttcc ctttcnnatt 720
ttccatgccc cacccttnna gtttggccat gcattnnagc ccggtctnaa acnccccnnc 780
cnantccctc cccttnccctn canaaatggn cegttcnncn nncgntcn 828

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<210> 2142

<211> 846

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(846)

<223> n = A,T,C or G

<400> 2142

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tgatcntttc aactcttggt ctttttgcag gatccnnnnn nntcgacnnc nncnccagga 60
ggaactcccc aggcatctcg tgagatggta gtgttcacag cgctgacaga tgtccctttg 120
acacagtcct ggggtcttct ctgcacaaca gaaaggagtt ttgtgacaaa gttgatggag 180
gaggttaggt atttaattag gactagccag ggagggcagg gactctgtta agcagtgaat 240
ttgtcaaaat tttacttgta ccagggtgga agataactag ctgtggaagc ctgttctgag 300
atgccctgcc atggccaatg actggttaac cacaagggtc actaaaagag agggtttctc 360
atgatctgta gaaatgtaca actgacacta ttgtgtgctc ctcacaataa ggccggttca 420
ggtacctagt ttgtttatct tattaatggg gtgggtgggt gtttatgaat cctttttttg 480
tttttggaag cagttgctgc aagtcaagac tttttttttt cttgaagtta ttcctaacat 540
ttgaccccaa acatgcatcc ccccatcttg ggcatacctt ttagcttaca cccttgctta 600
ccacctggg gtgtattttt aaaagaccaa naatttttat tgattntatt aaaaaaaaaa 660
attntgcccc accgaaaacc cttttgtagc ttgctttcct tgttttganc cacccttggg 720
ttttctnaaa atnccatntt ttggganggg gcntgggtcca ntangggcan acatttttnt 780
tggttgcaaa aaccccttga ancccccttg gtnccctaang gggncanana aatttcccc 840
aagntn 846

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<210> 2143

<211> 853

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(853)

<223> n = A,T,C or G

<400> 2143

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ttgaaccctt tgaaancccn nnnnttttgc nngannnnnn nnnnncgaat tcnnnnncag 60
gtcatgcctt atttactcca tttttaatcc tgcattccag atttatggca gcnttttnata 120
tctacaggat acttttatgt tgtccaaata ttgctgncag tcatatgtac ttataaaatg 180
tctccactca tgtatattta tagaaatgaa atgtcaaatt tctcagactg ttaaagtgca 240
gtataaagtt gcttaatgca cacttaaaaa tgatatataa tttctgaatc ctatgaataa 300
tgtgttcttt ttttaattct tgggagtttc ctttaagttt acatgttttt tggcttattg 360
ttaatgattt tgtttactct ntgcacaaat ttgtcatgta ggttatttta caatagcacc 420
tttaaaaaaa atgtatatgc taatttacta agcatattca tgtccatttt tattngatca 480

```

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tctgatntgt gaaataactt gaaatntgta ctgtttgggt tgtgaaaata atattaccaa 540
aatccctgnc attagaatgt gtactttatg ttcagaaaagt gacctgnggg gtttatttca 600
gaagccaagc cattcctctc cettggatgc actttggtaa cccagnctac cacatggcct 660
tttaaggngg gctnttcctt ggatangggg tccaaggntt tattgaccta ntaaaaacaa 720
ttttttcnnt gggngaaagc ctattnaagg tnncataaag tctaccctt attttcccc 780
cttggttngg aaactnaaan ggggcgccag ggtattaagc cctaattccc ccagcatttc 840
ccnggggggg ngg 853

```

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<210> 2144
<211> 1146
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1146)
<223> n = A,T,C or G

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<400> 2144
ttggttcncc caaaaggcca acccangncc aaggggccaa ggtncagggg ggggttgggg 60
nccccaaan aaaccaaagn aaccgggtct cggatcance aattntttat attaagggtg 120
ggcgattttt ttntaccctt gnaatcccc ntaaaacaaa aaggcngggg ggggattttt 180
ttttttttt naaaaggaca tnaaancnag ngccctncc cnetcnattt atnggaaagg 240
gngaantca ccttancccc actggngcnt gggganaaac catatttttn ganaactctc 300
cnaangatnt ntccatnnca natntnatat nccaangntt ccaannangt ccttnaaagn 360
aaaaaatggc ntcantntcg accagnaatt canagaagta gtctcanaaa tactanttan 420
ttctnagnaa taannncnt caacnatecn tacctacnnc nttctntacn atatnnntcc 480
ntancacttt aantnctata ccaaactctc nactctaaac angacctnac nataactnnt 540
annacnacca canctattt atattcncnc tnnnagntaa nacctanaat gnntnantnn 600
ntnctctnnn ttntnaaac ncnanaagan aatctacnnc cennctttt cactangtcn 660
actntatcnc cactntacna acnananata nncatnnnct nntccactca cncncannnc 720
atctcttgna antacaacat ntncatnatn attattaacn antactancn nnnnnaacan 780
caatataang aannnccann ctatnttcta tcaccnctc ntntnctcn cnnntctgt 840
nnganactaa ntacgatnaa nntnacann tatnaactna ttentattan tnacnanact 900
ntccantcct nntnantnac ctttacnact ctntaanntc ttcgctncna nctcanance 960
natatcatta tntacnacnc aaacnntact natctatcaa anaacnact accctactta 1020
ctnncnratn ctaaccacct ctctcatcc attctaccnc aanctcnnan acancttcaa 1080
nttattcnnt cacatntnt cnnctctacn atntatnat nttatcctat tttaatnnac 1140
tntccg 1146

```

```

<210> 2145
<211> 1294
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1294)
<223> n = A,T,C or G

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<400> 2145
nctntngtnc atnaccnagt nngccgcnnn ncnnccccc nccccccaa cgggggcggg 60
gncnnnnnca cntttgtact tcaatacgnct tntgnnngaa cnnnancanc gggggtntnt 120
acaancatcc catcccnnc ctcacntca cctaccnac angcactacn acgtncncc 180
tnnatnnnan ctctcactcc ttttnatnta cgtcannac tcctacnnc attncngcac 240
accacannnc ggcancacac tgacgttnnc aantnnatgc tnancganaa cgtatacctc 300

```

ttennacaan	catntncnnt	aacgtcacct	ntacgncctet	tcncnatatn	cctntctctnt	360
anntnttnng	ntgcnnnceg	cnatncacan	canacgtcnc	nggntnntna	tatctnnnca	420
taacnnatgt	tacactnatc	acancgcmt	acnecgtctac	cctnanccta	cttatcncctc	480
tatttnaccc	tctcaanctc	tacactcaca	cnntannctc	acnactgctc	ctcncctcatt	540
cnnccecatn	cncnctcta	ctntagccat	tntctctctt	ccnecgtngn	aagnncacta	600
ctcgntcan	accacatccc	ntcattactc	accccncaatn	cnacccctcc	tnecgtnaact	660
ttacannann	cnatgtannn	agnactcacn	canctccgct	ancatcatcc	ntnnncncnc	720
atatcatcta	ccannatcat	cctnatacna	cnnacnaca	ttactctna	nnctnntcgt	780
tnacacnct	nancnnecta	tnccgntctc	tcaactnacg	nncganacag	tctccganct	840
nanacctna	nactgccgct	cnnacatnann	attctncnac	nngncncnat	ctcgcacenc	900
natngntccc	cnattntaac	gctcacacan	ccccacnnac	tnnancattn	tcnnncntna	960
cnantntnnc	ngctatctca	cctancnacn	acancacnta	ttctcnnatg	tcacannncnc	1020
ctcaactnan	ctacntcacg	tctccacatn	ctcnacnctn	tccantcata	ncctcgtctcc	1080
ntctnttctt	cangtnagac	accctcncan	cgntccnttn	cancacnnat	tntcnnctctc	1140
nacnattcnc	tcgncntntt	cccgncntna	cccantttnc	ttctcttttc	atctnnnnnaa	1200
ccnnnnncnc	nnntntnctnt	ctacgncctat	gnttnnctnc	nncaatctat	ttaaaantcn	1260
nnctcncnccn	gntntanttt	ntatntatnn	ngcg			1294

<210> 2146

<211> 1371

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1371)

<223> n = A,T,C or G

<400> 2146

cncncannnn	ntcntnnnca	nggtttannn	gtatannnnn	tntntgaten	cntnncnacc	60
tanctacacn	ngnctcncnn	ntncngnnc	anntatatna	tgtctcttnt	nnacntactc	120
aatttncnc	cccnccctnt	ccccnctna	cttnnnnntt	tnaaggnttc	gantccgcac	180
ggaaggaaat	angcctcagn	ggaccccggn	gentatttat	ctnccanatt	gantggcaga	240
atatttacia	ttgacagnga	tgatggggaa	caggntgant	ncatgactga	tggactntct	300
gagcccatgc	atggcagant	nccccaantc	aattntngtt	gnntcccccac	gntctncatc	360
angnggtttg	gatccgtnnn	ggnggtctnt	gctngcnntt	ggaaactntn	atcttcacaa	420
gtcgtntnnc	nncccgctct	ntaactnnca	cncctcttann	ggatnctcta	nnnnccnnntg	480
nctgatgatn	nttannnnac	ctnnnttann	tacntnnntna	tnttnatnta	ncantacnat	540
nncantcgac	acnncannca	tgacntnccc	ngcnntangt	ncntnnnctt	nagantagcc	600
gcnagntcgt	tacacngacc	nncnntgntc	nnacgntacg	agtcacnnnn	acnnacantg	660
tncttttnca	ctcnantnnn	ngantctcnc	aatnnaaann	ncctctctta	nnntgactct	720
ntctatcgte	ntaanctntt	tgnnaccccc	nctanagnct	acnacnncct	gtatctgtct	780
gnncctntg	cttttaggnn	tctntcatct	ctgntctantc	naccgcnctc	ctcantngng	840
tgnnnnctcn	actgntnagt	gcgcacgct	nncttcnecg	aacgccacnt	anccgctgtg	900
atatngteta	aantnntctc	actacatnta	aatctcttca	cgngccnct	atgtnttcat	960
ntnctnacac	tgcccaactca	ctcncctntt	ncncacnnnn	cgtgntcgga	ncnccatntc	1020
tctnttnatt	tnnctcantc	ctacnctaaa	tgtctaacnt	angttctgcy	nnccacnngn	1080
gaatcccgct	cnccgntann	tnaatntntc	tagaggnagn	atnactctat	cttngnttta	1140
tggnnncgta	ancatggcn	aacgcgtcac	ttnaactcnc	ttacgttttt	cntatctnac	1200
aacnattctc	tcngcgtaaa	nctaaacnna	tactntcnac	nnatgntgcc	tcntcttct	1260
nnanattnaa	ttgtnactca	ncctcttctat	catacgcttg	tcnctangtc	anatnnanac	1320
atttanntag	gtaannngta	cncnttatng	acatctccac	gccacacnc	c	1371

<210> 2147

<211> 1346

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (1346)

<223> n = A,T,C or G

<400> 2147

ngtnnaannnn	nnntnnncnt	ngttangann	tnnnaatntn	nnnnntatnn	nttnnnntna	60
nnnntaannnn	tnntnnngnn	annctntntn	ntnanatgta	nnntatnttn	nnnttaggng	120
tctactntnc	nanncgtaan	ntnaannnnn	ntntnttann	nnnnnatnta	nnntnecgcgc	180
nccccccacc	cnnttantat	nnntcnncnc	accctctccn	nnccntntn	cnnaannnnnn	240
nnnntcatan	ntntntttcg	aaaatattcn	cggggggggg	gggggggttt	attantttcta	300
nncnnaanaa	taaanagncc	ccccccnccg	naaagtctaa	agnatactta	agntngggtn	360
gaccgngnac	ccaagccttc	ggcacngntc	tntctatgga	agnggtntcg	ctntttncnt	420
ancctcgcg	ggggggngca	tttttcgana	gtcgaaactc	catcatctnn	nttctctnat	480
gntttnnenn	aatntaacct	ttcnatntat	ntacntactt	ttntgctnng	nattntncnt	540
acactanaga	atntctcact	cctntgancn	nnntaagntg	tggnaaannt	gaanaacatt	600
ttanttcocaa	ttntctnatn	gctcnnnatn	cnngngtttt	cnntntntnc	tatnnacctt	660
ctatncttta	nctnnttttt	natantcttt	aantnttcta	ctcnantna	gttgatgac	720
tnacatnttn	catattntat	aatctcnacn	cntnatntnc	taatacnntn	ctctntntan	780
acttnnatca	tntctatatg	acgttncctt	ctacngntca	ttactantat	ttcntnatct	840
tgtcaatnna	ntntacaatt	aattntntcn	cttatattga	catctcnctt	nctcactgta	900
tacnatctca	cacntgatta	aatcntatct	tntatcntnt	anttatnnnn	atatctngtc	960
ctaaanctct	antntatcna	antttccnat	ntatctaaact	agtnntnnna	tcanttnatn	1020
tatnnnnann	tntcacnttn	tctcttcann	catactnagt	ntannatgta	canngtntcc	1080
tnttctcaac	tttatatnct	ttntnttnna	tgcntttnta	tannngtgat	nctttccctt	1140
naanaaatnt	anccttctta	tattctgagt	ntcacatant	acatntatat	natgtntnnn	1200
tncntatcta	ttcttatnan	cctnctaana	ntcatctatc	atctttnttt	tntntccatn	1260
atactctatn	tattcttcnt	ttaatcttcn	tatntntata	tntntcatct	annntangnt	1320
ctctatattn	annntttttt	atnncc				1346

<210> 2148

<211> 751

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (751)

<223> n = A,T,C or G

<400> 2148

agnttcaatt	ccgcacggnn	tnngccccct	tttggngcgc	atttaatttt	ggtagtggtta	60
atgtctatta	atgtgatttt	ttttttaacc	tttctcccaa	taggtngatg	acaacaagaa	120
actaggagaa	tgggtaggcc	tttgtaaaat	tgacagagag	gggaaacccc	gtaaagtggg	180
tggttgcagt	tgtgtagtag	ttaaggtaag	tcaccgttta	ttctagggat	gaaggttatg	240
ctgggtaatc	atataaaacc	ttgtattgaa	ataagttgag	gatcttataa	aaggaaaaaa	300
ctgattcaac	aggttttaaag	cattttctgc	atttcaggaa	aaaaataaaa	gctgtaattt	360
acaagccagc	caatgaatct	gcttacctga	ttgtgtttgt	gcagacatac	tttaaaaact	420
ggcaatagta	aagccatgtt	accagcctta	aggacattga	agtcctgaag	gtccctgaga	480
atggctataa	caaactcttag	tgatgggaaa	cattttttata	aaaacatagc	taattgttga	540
agctccccta	taattggata	ctaataantc	tggnggaaaa	ttcctaaata	nttaaccaag	600
aaaattgcct	gccgtntttt	tgtttttttt	aaaggactat	ggcaagggan	tncttcaagg	660
nccaaggatg	tcattgaaag	antattttca	aatgccngga	aatgnaanaa	aataaaatct	720
ttggcntccc	naaaaaaaaa	aaaaaaaaaa	t			751

<210> 2149
 <211> 740
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)... (740)
 <223> n = A,T,C or G

<400> 2149
 agnttcaatc gccgaggagg atatagcgat agagatggat atggctcgtga tcgtgactat 60
 tcagatcatc caagtggagg ttcctacaga gattcatatg agagttatgg taactcacgt 120
 agtgctccac ctacacgagg gcccccgcca tcttatggtg gaagcagtcg ctatgatgat 180
 tacagcagct cacgtgacgg atatggtgga agtcgagaca gttactcaag cagccgaagt 240
 gatctctact caagtggctg tgatcgggtt ggcagacaag aaagagggct tcccccttct 300
 atggaaaggg ggtaccctcc tccacgtgat tcctacagca gttcaagccg cggagcacca 360
 agaggtggtg gccgtggagg aagccgatct gatagagggg gaggcagaag cagatactag 420
 aaacaacaaa aactttggac caaatccca gttcaagaa acaaaaagt gaaactattc 480
 tatcataact acccaagggc tactaaaagg aaaaattgng gtactttttt taaattccct 540
 gttaagntcc cctncattaa tttttattgt tcttgngag ggaaaaaagt aaaacattgt 600
 ttaattttta aaaaaaann nnnnnnnnnn nnnnnnnnnn nnanaaaaaa annnnnnaaa 660
 aaaccngggg gtcnttaaaa atattggggg ggnnnntttt cennnctccc cncttnttaa 720
 aaaacctttt gggnggggtc 740

<210> 2150
 <211> 745
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)... (745)
 <223> n = A,T,C or G

<400> 2150
 acgtttcaat cgnacgagat ttttatgtgt ttattcttan tttatagaat tcttagttgc 60
 tggaagccct caaaacttag tcatattacc attgggtatt tattgngtcc ctttcaagtg 120
 agggacgagc ataatcaaat ctgcattgta catgaccagg attttttttt aaaaaaacag 180
 tactgccttg gtggatctag tttattattg agtgatagc agaaaggtaa attgtttgcc 240
 atgttggtgc agtttcattg ggaggggaagt gttaactccc ctgagcactg cccttttctc 300
 tctccttaat tttacagtag gttgcaccaa aaccattcct ctcagagaaa gcaacactcc 360
 agtatcttgt ttccattaag agataattag ctttcagcaa atcttctcca gcaaacaaat 420
 tacattttta cttctttgag ttcttttgga gcaaaaattt nctgttttcc tgtattgcaa 480
 aaaaaaaaaa tgtttatgtt ctggatctaa naattgntgn tatttttagnt tgcttggtaa 540
 agctatttgg tttatgacaa gattcataaa agtgctgtcc ccacagngaa attttagggg 600
 atntcttaaa tgaagttcac cagnggaatt aaagggtatt agnggttgaa gtgaaaaagt 660
 actttntggg ccataccagg tcccctgnct tcaagttgga cttcttctaa ataagttttg 720
 gggccatttg gccattcttt caata 745

<210> 2151
 <211> 1336
 <212> DNA
 <213> Homo sapiens
 <220>

<221> misc_feature
 <222> (1)...(1336)
 <223> n = A,T,C or G

<400> 2151

ccatanncnt	cnaaaaaatna	tanacnacnn	tntctantaa	anannnctan	atannccata	60
tctcnnactc	anannccnnc	ntnatnanat	ntcnntnncn	cnnannnccct	ntacnntann	120
aatatnnccc	cncacnctnn	atcnccnct	ccatttncnt	nnnnntaanc	ntngnaacac	180
natggtggcc	mntacaaaaan	gcattcccnc	tatactacag	tgtaaacctc	atttttttca	240
ctccaaattg	tagcagcccc	tcttcttccc	acnnnggggc	ttttctntac	nnctnnacn	300
cnnnacacac	agnacctana	anngatttna	tacannncta	tanatcactt	nncanactca	360
ngttccgaac	anaaanctnn	cncgnactat	cncaccacca	atactacta	tangaaaaaa	420
aattnttenc	cntntcccc	tangnannna	ctccantatc	attnnnacna	taanannnaa	480
atcntactcg	tcnnannana	tgatnancaa	cctccncata	natntnatnn	ntcttaatcc	540
acctctnant	acggcnantc	acnattnnca	ncaannnnang	natatancat	nnaactactn	600
tctcncnact	mntatntcct	ccnccnnaac	nnctancntc	tantnaacac	nctcaagcac	660
tnnnntanca	cttcaatanc	tnannnacna	tncanttcgc	gncttanact	cntntaaatn	720
ntacacacca	gctatgcnac	cacaanccag	tttanctctn	agtatcgaaa	catacntnga	780
tatnaatcat	attaacataa	tntacgnaca	naacaccnca	ntnattnnnc	tnccctacca	840
catacgacnn	ntatatncta	cgcaacgcat	angncntcct	cncagcacct	atcnacnctn	900
ctncaacaat	acnnnnancc	tgactanaca	tactancgta	catnccctcan	tntacttntc	960
tganaatacca	ntcgaagtgn	antnatccac	aagcntgcat	atcnacgcnc	tanatactgn	1020
actcaancta	tacatccgca	cncnatacac	atactctgac	ccaangntan	cancacatan	1080
ncanctnaac	cnacnannac	gnnatntatc	natntnnccct	cntnnntnacg	taatnaacng	1140
acgcanannt	aacaacccta	tcatacnana	atcnaaggct	nncatatcca	taegcnacna	1200
tacctctcnc	acnctcatgt	agangtcnac	ncnacnnaac	nnntcacgaa	ntctaaaacn	1260
atccncaagn	aatacgtaac	acgangnact	cnntngacta	mntataacng	cncncacang	1320
naattntaaa	tnncn					1336

<210> 2152
 <211> 875
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(875)
 <223> n = A,T,C or G

<400> 2152

ccccnnncan	nnnnngnnntn	cgntntcnncn	nnnnnttcnn	nnnnnnncnn	ngtcnnnnntn	60
acnctntcntn	ntcnctcanc	tnntntntnn	anatcccccc	cncncantcc	cncctccccn	120
nnnnnnnnca	nattttcgaa	tcngcgngaa	cnttctcgac	tgcccnga	atngcanacc	180
attatagggga	ctagtgtgcc	tttgaggagaa	aaggaaaatt	gcaaaccctt	nnnggggagac	240
cnatttgcct	ttggaggaga	aagccaattt	atcatccaaa	atcctcagaa	ttctcaaata	300
caaaaagtgc	tgaaaactga	aagtttcttc	ttaagtttgg	tggaacaaagt	tatttatagt	360
cttgacttat	cccatttgat	gtgaatctgc	ttacatttca	ttgcacaaaa	tgtttctgtg	420
attgtgaaat	actgttccag	aagccactgg	gaggtttaac	ttaataaata	gtatatgcaa	480
cgttttactc	ttctaaaaac	tgaaaattgt	gaattctgaa	acatatctca	gagggtttca	540
ttaagaattt	ttgggcttat	acaaatttat	gctacataaa	tgtttatagt	cttgcttttc	600
tctggtatat	acgttcttac	tttgccattt	tacttttagg	ccctcaaate	atgccaagtt	660
atattttaag	attttgtttt	tggcatttca	aaataactat	ggttactact	atgatagtnt	720
tagggatggn	gaatagggta	aatcctngct	tcaatttttt	tattttggta	ttcaagaata	780
tggttactgc	cccaatttat	tttggaagtt	tttctcctcaa	gcgtaaaaag	ttttngcttt	840
cangcccagg	ctgggtgggc	tcancnctc	ttann			875

<210> 2153
 <211> 842
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(842)
 <223> n = A,T,C or G

<400> 2153
 aagntnaatc cgcacgagac taactggggg attttattcn nnnngcccac cagcacnate 60
 gccagcttgc tcccaggatt gncgtcgtga tcatttggac ctgngatgng gcctttntca 120
 atacgtggtc ccttannttg ttgcacaagt tcaacgangt ggtgtggcat gtgagctgg 180
 ccatcacagc caacatnctg gctgtctctg gtggagacaa taangtgacc ctgtggaang 240
 agtcagttga tgggcagtg gtgagcnatc agagatgtna acaaaggcca nggctcccgt 300
 atcagcatna gtgaccagac ggcccaccng aacnaagcna ttganaatac angtnnggcc 360
 tgantncccn cccgtcanc caagactgnc cctttcntgg gccaaacttan cncaaacann 420
 tggggaanaa nccccancct ncaacnggga tttattttnc cangtaagag tttacttttg 480
 ctngccncca atttgattca ttctgnnctt tanccngat ncgganaatg gnttctncaa 540
 atctnacctg tcccagctg taaaagcact tccatgetta cccatggaaa anaaacntaa 600
 caaagtnaat ggtttnaaaa nnntnatatt tngagnncna nttatttann naaccntttg 660
 ggcttctcac gnccattana tttcnggggn gggtctnttn gnntcccaa agggaaactt 720
 ntannaaaac ggtccttant ttttntctt nnnannaatt tantnnaatn ctentntact 780
 nttaactacn aaacnntctn ttccgactac ctataataaa cttcttgtgg gaggcngctt 840
 cg 842

<210> 2154
 <211> 1236
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1236)
 <223> n = A,T,C or G

<400> 2154
 tnnntnnnnn nnnnnnnnc tttncnntnt tnnnttncnn nnnntnnntn ntcnnttct 60
 nnnnnnnnt tnttttctn nttnnnntnt cttntnttg ctttncntt nnnnnnnntn 120
 ttgtntttn tnnntnnnt ttcttttnc tnnctntnn cennctnct nnnntnecg 180
 cccnccctc centncnnnn cccccccctc ntctntnnn tntntnttt tncgectga 240
 cnggttngaa atgggnnttt tttttttct tncgcccccc ntgnactnct tcccatttt 300
 cttttttgccc gacccctctt ttttttggt ngntctnnc ctntcnggg gnnttttttt 360
 cttttctnt tncctcttt ntctctctt tttnttctt ntntttntt cccnntnctn 420
 tttttcttc ctctctttt cttttctct ttttttnt mcttntnn tcttntctn 480
 tccctnttt cennctctt tccctctt ctncctctt ctttnttct ntctccctt 540
 ctccctntnt ctntttntn tcttcnnnn tttnttctt tntctctt ctntctctt 600
 nttttctct tttnttctt cctnccttn tntntctt ttctctctt ctcttctct 660
 ttctctnt ntctctctt ttctttttg tntctnct cctttnttt tncctntc 720
 tntttctann tttctntct cntctctnc ttnnnnnnt tntntcttt cctntctnt 780
 ctccncttc nntctctnc tctctctt ntntctct tntctctct ctncnctnt 840
 nctctctct ntctctnn tntntntnc tctctctnt ttctctct tntctctnt 900
 ntctctct tttttctnt tctctctt tttctntt ctctntct ctctctct 960
 tcnngtctct ntctctct tntctctt ctntttnt ctntnttt ctctctct 1020
 tcaacttccc tntctttt cccnctct cncntntc tctctctc cctctnttt 1080

```

nnccctnnntc ntctctctctn tcttctctctt tntntnttct cttctctctn ctctnctntc 1140
tcntntctct tctcttntct cttctctctn cttctctctn cctctctctn ntntntctc 1200
cccctcttnt ctcctctctc tncctctctc ntntctg 1236

```

```

<210> 2155
<211> 1378
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(1378)
<223> n = A,T,C or G

```

```

<400> 2155
tctgtttac tannntcacc atnncttnt tnttctcctn ntttctctn nntntntctn 60
ntnangngtc tntctctctg ggantcann cactnctctn tctntnctta ttgttntccc 120
cccctcttan nccccctc tnnatattnt ntntaaantg nacgagtagg gccgnntatn 180
ntnctntgan tgacccctgc tgtgtttgta acctgnntat ctntnctctc tcnattttgc 240
ntgggnntct ctttctctc tnanccgggg ggntttntct atnantact ctngtctctc 300
tcacncttct tctnctctc ntatcnnana tcttctctn attactntcc ccttctctc 360
ctgggataat ngacnctctc cactttgcct cnttntntnn cctcactctc agnaaaannn 420
tnngctctcc nnnatctctc ccttctctc gctnctctc nngnnctctc tntancnata 480
ttnnagtnta cnnantctt atacantcca ctantantcc cnccttanna cgtntctct 540
ancttctnct gnacnattna tttanctctn acnattaacc tantanncta gtntctctnt 600
atttactact gngccttagc nctgtantgt ctactctaca ntttccgacn ntntnntct 660
ctncttctcn atgnctctc ntctcnnctc ananttttct ctcattctcn ncatctctn 720
antnctctct nctnctctat tgtatctccg ctttctnctg attgctctgt actctantct 780
cactatctct ntctctctac tctcactact cctactatn tatnctgact cttntctct 840
acantctctc cntatnctga atntactagt ccttagttn ctntnctann gngctctctc 900
ctcttctctn ctcctctctc tattcnnctc antantatn cgtctctctc tcttctctc 960
cacactctc ccatattccg acgctctctn nnncttctc ntagnctant ctngtctctc 1020
antgtactc actntctctc ncttctctaa ctcttctac cgtntttctc tctactctc 1080
tcnactatct actctctctg atctctctcn tctnctctat cngtttgcg nacnngctc 1140
agtantntnt acttatnctg ctcatactg atatatgtat attgctctc ctntctctct 1200
antcttanag nctctatnt accatctctc tctnctctc acttactctn ctntctatn 1260
ctatntctc tgtntctact cgtctctat accctctctn natgctctc tttacctct 1320
ctctctatgc gntctctctc cactnctctc atttctctg tntnttctn nttctctc 1378

```

```

<210> 2156
<211> 1333
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(1333)
<223> n = A,T,C or G

```

```

<400> 2156
ggcccaattt ggttttaacc caactcccc ctcggggaan gtccccctt ttggncccaa 60
ggtttgggct ctttggcggg gggnnccagg cccaaattcc cctnangnct ttggnccnag 120
gagcgtctta accgttntnn nctattctcg ggtatttatt tctctctcgg nccccctct 180
ngggcgttngg gggggggggg ggtttntttt ngatatata cctctcngag gngngaaaa 240
tacctnctc nctntntgng gnaaatttct ngctctctac ngctctctc tctctctc 300
nctntctct tntntntct nctaaannct tctnctctc tctctctc tctctctc 360

```

```

nnnacantcc tntatttttn tattttaact tntacaantg cnnnnanttt ancccttttt 420
actgtaccaa aaanaaaaaa cntnttngcc ntttatngag gnntttntac aaaanattct 480
ttctntcncc aatttnnctn nccaaaaantn nccctatcnn tctaaaatna cnnnaaaaaa 540
ntttcnncat cctcaataa nacanacnct atatttttnn aatgngnatt canaaanttg 600
ggcccnccat naaaaaaaa aancccccct ttctnntnca anattganan tttggcgnga 660
gaatttntna annccctccc ccnntanaaa antttgtnc ctnanataa atntcatnan 720
anaatataaa aatattntcn accnnatann ttntctnacc tccctctcan ctnactacat 780
atcaancatc cacttctnta tatgngnact ncctnactaa tnnntantat ttcactacnc 840
tcnccntnac aatantttta gnatngtcat atcaatccct atncnctant tcttttctnat 900
tntacttcta tnnnctanc atcaacnaat nttcttncta gtatanatct acncnctnta 960
ctcatcatnc actatcatgc tcttaatttn tctctgcnta cnnatnatta cttacatatt 1020
gnccntntat tntnntntac ttctnattnt ctcactcttc cttctacntt tanatatcat 1080
ctctntcnnn taenccgatnt cctatatcac acgntnaaaa tcaacnnaaa tncncantcg 1140
ctcttctntca ncncctcaa ncctnacnnt tcntntcact gttntaactc caattctttn 1200
ttaactctnc atcattctct acntcnncnn tattancaca tntatncact ctatctattt 1260
cntctactta cnactctnta tcantnttna atccnatttc ttacctttat naaatttcnc 1320
naatcttcnc ncc 1333

```

<210> 2157
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (700)
 <223> n = A,T,C or G

```

<400> 2157
gccttttcga ttccgcacga ggtgtggagt gtcccaagnn ccncngnnnn nnanntnnnn 60
nctaatnnac nntngcagt gaaagtgggg gcagactgag cctgtgtagt gaagtgtctt 120
gaggaacgtc agctgtatct tttaggaaac caaaactgca tagacattga acccaggcag 180
aaggtcatga agtcagagct aagaaatgct agtggggata gggggtgaga tagagtggg 240
aaatgtttca gagctcaggt gacagttgtt ggtgtccagt tggatatgta ccatgaagg 300
aagaagcagt cagagtggca ccaagcttct tagcctggag gactgaatgg ttctgtgcac 360
atttcanatg gaaagaatag aggccacag aaagttaatg agatgcattt tatacatacc 420
agttttgaat ttaangacc tgtggggtag atatecaaga tggctattcc cagnaattgn 480
atttatatct tgctacatcg caaaaangat ttgaactctt acncnctaa gatataagat 540
taaangctg gacgtggtag tcaccctgta tcccacattt tggaggccag ccggtggata 600
cttgagncag gagttcagac aanctggcca catggtaaaa cccatcctct aaacttcaaa 660
antaccangg gngnggggcc ggctgtaan ccactnttca 700

```

<210> 2158
 <211> 970
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (970)
 <223> n = A,T,C or G

```

<400> 2158
cncntannn nnnnnnnnnn naentcnnn tnnnnnnnnn annnntnnn nnnnnnnnn 60
ncnnnnnnn nnnnnnnnnn tnnnnnnnnn nnnnnnnnta gtnennatnn nttnnnntnn 120
nnncnnnnn nntnnnnnnn nnaccnnc cnnnnnnnnn tcccactcc nntctnnnn 180

```

```

nnnaaatagg nnnntnttan ntntntnttt nntnnntatn nannnnnccc cctttnnngt      240
tgacctgcag gcatgcaagc ttgagttttt tatagtgtca cctaaatagc ttggcggggn      300
gtcatgggtca tagctgnttc ctgtgngaaa tnggtatccg ctcacaattc cacacaacat      360
acgagccgga agcataaagt gtaaagcctg ggtgcctaa tgagtgcgt aactcacatt      420
aattgcgttg cgctcactgc ccgctttcca gtcgggaaac ctgtcngtgc cagctgcatt      480
aatgaatcgg ccaacgccgc cggggagagg cggttttgcg tattgggcgc tcttcgcctt      540
cctcgtcac tgactcgtt gcgctcgtc gtcggctgc ggcgagcgg atcagcttac      600
tcaaaggcgg taatacgtt atncacagaa tcagggggat taaccgcagg aaaagaacat      660
gtgagcaaaa aggccagcaa aaggccagga accgtaaaaa ggccgcgttg ctggccgttt      720
tttccatagg ctcccgcctt cttggcgagg cattnanaaa aaattcgacg cttcaaagtn      780
atgaagggtg gcgaaaaccc cgccnngact tttaanagna taccgaagc tttccctt      840
ggnaagcttc ctttgnggcc cttttcttg gttccgnac ccctggcnnn tttaccggg      900
antaccctg ncccgcttt tttcccntt nnggggaaag cgngggggct ttttcataag      960
cttcancnt

```

```

<210> 2159
<211> 786
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(786)
<223> n = A,T,C or G

```

```

<400> 2159
cnnccccng aattcggcac gaggaaccct gactctgcct cttagccctt gggttgaagc      60
cgactagaga atctcagacg tgcttaaccg gtctgttggg ctccctgcc cttttccagt      120
cccaggtttc ctttccctgc tcccttctg cttctaattt cagccaaaga gaaagcaaag      180
atthagaaaa gaagggtagg aagaagctgg aatntgaatt ggcaagagaa gtnngaggtt      240
gtcttttcta gatcaaaaca atttttaata ggctgatgtt cacatgttgc actttctaaa      300
gcccggtcgt gacctcctaa ggaattttaa gtccattctt gataatcgat ttatgaagta      360
aattgccatt aacgcctctg ttttatagat taagaagaaa atgaggtcac agataaatat      420
ccgtgccnaa acgacgtggt ctttgaactg acctccaggc acgatgtcat tatttaactc      480
gagaaatcac agcttctgcg tccctaccatt ctgccaatat tcacaggcca agaagctcaa      540
cttaacaccc ctnggtagaa aaaaagaaga anccnttaa atatttgctt ggaataccgg      600
gaaaggagaa aggggaaata attnggaacn taacctntgn ctngggagg ggggaaaaan      660
canatnntgg gaananatcc cacatcgcac ccctgntat ggaaagccnt tttgaacaca      720
nantngaant gggaggngct ttntnggga aaaacccctn tcccanantt tttttggaaa      780
ancnat

```

```

<210> 2160
<211> 754
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(754)
<223> n = A,T,C or G

```

```

<400> 2160
cnntnccttc gtgccaagg cgcccgact cggctggtcc tggagagggt gcacttcgag      60
aagtacaacc agcgcttgg caacgatggg ctgcatgagc cgctggactg ggcgcaggag      120
gaaggaaagg tcgcagcctt caaggaggag cacatctacc ccaccatcat cggcaccgag      180
cgggacgaac gctccatggc ccagtggctg agcaccttgc ccatccacaa cttcagtgcc      240

```

```

accgctctca cggcaggtgg caccggcgcc aaggtgcccc gtccccctgga aggcagtgaa 300
ggggacggag acaactgactg aggcgatggg agctgcccac cagagtgcct ctgagcagct 360
cacagtgtgt gccacagatgt gccacccctg tgggcagcaa naagctggga tcnctgcagc 420
catgttttcc cggncatgcc ggcgttgtaa cctcaggacc ttcccttgta ngaacagcct 480
ttctcgaatc tgnnttcagc tcttgcattn catanatgaa accncagcat gtnaaagaac 540
tattttttta aanaagtgat ttttcttatt anaccnanc caaattttta aaaaaaaaaa 600
aaaaaaaaaa aaccncganc tcntncnnnn ttttcngng ccccntttac tntcncctcc 660
naaaacctna tanaaaaaacn tttttgttna tgntggcnan aaccccccn tcttaantnn 720
ncnnntccnc nnnncncccn cctcctnccc cnaa

```

754

```

<210> 2161
<211> 1109
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(1109)
<223> n = A,T,C or G

```

```

<400> 2161
tgngnnnnngn nngnccgnt gggaaggtnt cnacgncaca nngannaanc ncngantcng 60
tanantattnt gtatnagnc tttgaagtat nttgggggtn nacnggggnan cgttttagttc 120
gngatgacna tgnnnaattt ntataganga ttatgggagc nngccgatg tannttatat 180
gnttgcacaa tttatentat tctcncatng tcatattaat atnnnttnan cngcgcatan 240
ganngtgggg ggggtgcgnc tnnntagann anttgntcat ggaatagnat ncgtannttt 300
taancnaatc cnggttnatn atntgancac ggncntatn aggacgnatt gannnnntnn 360
gagntantaa nantgnnnac ncggnttnna gaggtngnct cnaancntn ntntcantg 420
ngaagtncnn cnnncntann nnataatgng tcntagnnnc aantnnannt ngtgannant 480
gtgtgatgna nnnngntata tnnannngtn gntntttaag tnnnnnggan nnggncngng 540
ncnnngntnn nnnntngnn tannanncng cgtntatgc nattgngtnt canctcagtc 600
tntcngtcan gnnnnngcnc gannngtan tancntgntt agannntgan angntncgn 660
tngggagtnc nntgngggac tnnacnacn nnnngattnt cgcngatgan cgcctctgat 720
atnnncggnn cntnatcat gcncgtntnt gacctanann agntcaacnc ntgnatcntn 780
actnnnttna ncnnntggt annncgannn ggntgtncn nactnnntnt gacnnntcac 840
ncggtgttan cntgnaganc acanacgant gcncntgtc tanngnnntg anaaccgatg 900
tggtgcacgn aatntatctg tanatttcnc ntgnngngca tagnnnagng naaatngang 960
cacgnannnt ggcataantn atcanannn tcgtnattaa ttgagtntat acggantnat 1020
annnnntgtc nggattatac gatatangna cntgtncann atganantat gaatcnanat 1080
gnacattaag gatngggatn tanacgaag

```

1109

```

<210> 2162
<211> 978
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(978)
<223> n = A,T,C or G

```

```

<400> 2162
ggggggggan cgtaanttcg nctcntntgn attntaagaa ttngtactat tgngngnnnn 60
gtattntgca cntgagatta atncagacga tcgctntagt agcctatgac agctctgccc 120
ggtacatttt atgtctatcn cccttagtgg gcgnggctca tgnattannt nncacgggat 180
tcnacttgat gtgagntggt gcncanntnt tnatntntg agntcangca gnangnntag 240

```

```

cnnagtttan nannntgtaa gantgcngcn ttnaagtant nnangggcgt ccagtgntng 300
tgaaggnngg tagnanatan ccnnnggaac ggnttttnga nnnanangcn gancgcngcn 360
ttgaanagga nnnatgngcg aggnnttangg tgnantngnn annnannca nnatnntntg 420
tgggcnannt ntnnnnattc ngnttgcccn ngntnnancg gatancgng nnnngnccnn 480
ggatnattnn gnntnanatt gangngantg angcnangnt nnnntngtc nnnccgcttn 540
tnatcgtgtg tacgngncnn ctgtngnta ncatgtgnnn ncatagnaac nanantcgt 600
atgngnannt gtntatggaa attnagatgn atatggttn tannggaggt tgnnnnanc 660
agcgntnnan ctnnnnnggn tantntcaan cgntagnaac ntngtggtcn tnangaggng 720
ntnaagnat ngtgaggaa gntgggctn nnntacctn aatntnngna gntctgnnc 780
atagtnacnc nntgaaccnn cctaggaan nngnctnnnn ccngnancng ttnngtntt 840
agcacctnt nnagaangct naannccggn ngnnngtga attagncgt tgagnggng 900
ngtcganta aantgggnnt gatnataata ttatcnangc ncnannatgt gncgtatggn 960
gcaaattcag gcnntan 978

```

```

<210> 2163
<211> 778
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(778)
<223> n = A,T,C or G

```

```

<400> 2163
gccnctcga attncacga cggacngcca gccaccatg tgttagatg ggatantatg 60
gtatttttca tgtgtcattg cctggcatgg tntatattcg actacattca ctcaggggtg 120
tcccagggtg gcacactgtg tntttcaaaa ctgannatg cagtcgcct ggttcacccg 180
cgaanccatg acaatataca ttttttgtc tgcnttangg gacccaacta tnanctggag 240
aactggncgc tacagattac gctgcggggg tacancagac gaaatcctac atgtataact 300
acagctctgt gactgtatnt aaagganaan agagnntnt tataaantat gtntanataa 360
atgctttcaa aaantctacc ttctgcagtt ttatcacat gtatgtctng gtnnctgcc 420
tttaatcatt ntngcatggc ccttgccnct gtgaaaaaaa aaaanncatc ngtagtcttt 480
ggccaaantg atncaatttn nttttgtgg aanntngnag anntcancnt agaattgctt 540
tttanganc ctggnccegg ttnantcntn ngntggctnt attttttta aaacaanatg 600
aantcaatct tttctctcag nccgcttntn tcaananaac ttttgnnccc ggcattnnnt 660
cantanaann aaanntccnt tnccttgctc acgcaacct ttttaaaac cntttaaccg 720
gnnnggcagc acnctctgg ttttctaann tttcannaan antcctcnca nncggana 778

```

```

<210> 2164
<211> 1165
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(1165)
<223> n = A,T,C or G

```

```

<400> 2164
gggcntggn taannnganc ncgcaggtn ggcnngactn tganntncat tannttacan 60
nncgntaat nagntngcan ntaaaanttn cnnnttgnt ntggnnnttt tcntaaatan 120
ataacatttg cgnntgagnn cngttccntc aattgccng ntggcgggn ngacgnnann 180
cctnnnnan ggcnaangna cntgcngnt gtncnnnagn tnacttgna ttnaatcnct 240
tgcngccnn angtnngtan ntngngaaa anntcgtnt nntnccnccn nttncnccgn 300
nagtgnagta ngatnggctn aattntctt aagntattg annganncag tntnccgnt 360

```

aatnntcngc	naatcngn	cnatgnatna	gtcagannng	tatctcgtt	ngtnantang	420
tnennagtgt	gtgtangtcn	acgcggctgt	gganttgtat	tangagtaan	nnacgcgcgcg	480
antgatnagn	nattgctatn	gngntantnn	ttcagcggac	nttnatnntg	cgaggcgtgt	540
tatacantga	tgaggntaga	tancntctc	cgtntgataa	tntgancgag	agtaagngcc	600
nngngtanag	angnnncntn	ananagangt	gagtatntca	gaagncngt	atttncgata	660
nanngtagcg	acntnccgcn	ngnatgtcta	nngnctngga	cnagctgnnn	atnatatgnc	720
agatgnaanc	ctnatntgtn	cntnaacang	nanacacgag	atatactcng	antanncgnt	780
gtatntatat	atgtgnttnc	nagattgttn	agacganatg	atcntatant	atgnngaagt	840
tgggcngtata	gangcgttaa	acnnagncgn	agttntnngn	taannnaact	antcctngnc	900
aacgcaatat	gtggcnaaat	gatnctccat	cttanagcng	cgcngggatt	natattnttt	960
aanaacgatc	gttgtgtntc	cacngangaa	gttnaatgat	ntnctannnc	angtatatga	1020
ancggagnaa	gttnnatgat	cnnaatant	ngtgnnttan	atcgnatgta	tatagtgcna	1080
cgnantnctn	gcngaanta	ganctnntnt	tntgntacnc	acaatntcnt	nancctgcnn	1140
nngantatta	cgtnntntn	gtgan				1165

<210> 2165

<211> 1271

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1271)

<223> n = A,T,C or G

<400> 2165

nnnnnnnnnc	acccaccac	tgnccgnaaa	actatggana	nnaaaannnn	tgggcnannng	60
ntcntgaaaa	agggngatgt	atggatttan	atccncattg	gcgtctcaaa	ananganggg	120
angactagga	ggggggtgaa	ttannntntgt	catanncgag	gngntntnaa	tannatnann	180
atgcccgtat	ntatctnaaa	ctgtahnctc	cnatecnatn	tattngcatg	cnacagtaac	240
gtacnccatc	tntacnnact	atctaactcn	ctcngngngg	ggnggtgctn	ttntntatgc	300
aattntaaac	accgagantt	ntcntataa	cgcacgata	tactgnctcg	tcacacnctg	360
ancgcnctg	atagttatgt	gatcngnat	nccncccttn	ttgnnnnaaa	tcnnaccgat	420
acgntaccnc	tnataacnnt	nnnnntgctg	nantatntcc	cnntatcnc	tcannnaang	480
nacnccntgt	ntnccatnnc	nttngcttc	nnncaantna	nctgntctag	ctnagtnaac	540
nnaananccn	ttcncnatnt	ngnntcnntn	tntgtcnnta	ntnannntaa	atnnnccaan	600
cancngnnna	antcatatt	nnccnccng	cacacgnagt	aatgcgtcan	tntannnctc	660
gnnnnnatnt	annatctacn	ntctttatcg	ncnntntgna	ctggnnatnc	naatnnncgc	720
caanncatnc	anntggntgt	ancnnnnnat	nnacannngn	nttnanntcc	ncnatcnntn	780
nncgacnnng	aatcatannn	ngcnactgta	agnantanta	cgctgtgna	tnannttgcg	840
ncatctgacn	cgantantnc	gacntanata	tcatntntna	ttnatntacn	cgcatanent	900
gnnatnatnt	antnnccnat	tcaaaangta	natgcgncta	tatnnccncc	ntnngatata	960
tnntcngacn	tnngtaagat	atcgngant	anatgntgnt	ccctactngg	gtanactag	1020
cncntncaa	gtngatcgt	ntntgtntgt	taagacntgn	cgtcttntgt	atacgaanng	1080
atacgcgtn	ccccanata	tangntncnn	tnngacgata	ntacatctc	aanagtatga	1140
ctctnncgca	ntgaatagtt	atanatanat	atntcanatg	gatnggagtt	attannatgt	1200
actctactta	tnctccgact	attatgtata	cgtnatgta	cnancgatac	tacntataa	1260
tntacgcgnt	g					1271

<210> 2166

<211> 740

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature


```

ttatgggacc aaatttaagc aatttttgtt tttggctgaa gagacaccaa aatattagag      240
gacaaatatt tttagatcca ttttaaggagt tttgaagtgc ctaagatgac ctatttgtca      300
gtgggtgcaaa attaatcttc ttcttttttg agttgtagtg aatatgcaat ttctgtgttc      360
cccttccacc ctttaaatct taggatgaca agttataaag aaagaagatc tttgtctggg      420
accccaaaag ggatcctttc tctaaggctc ctgacagtgg gtccaggacc agacctctct      480
acaaaaaatt gcccacaacta cagtttgcaa ccccaaacca cattagaagt ctgtgcagac      540
atccctccgt ggtgtgtgtc ttgngcatt ggaaaaggag tcaggagccc actgtgangt      600
gagaatgaaa agtggatctc aacttgggca cngggggctc acgcctgtna atcctaacac      660
cttggggggg caaagggtggg tgggatcact tgaggncaaag gagtttgang ccagcctggn      720
caacattggc naaacccct

```

<210> 2169

<211> 732

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(732)

<223> n = A,T,C or G

<400> 2169

```

nctcaccat ttttnacagg attttatttc ggtgcatgca ttctgtcca agtgtcacia      60
ttctggntac aataattata atatttggag ttactactaa gactttcctg aaagaggtgt      120
attgtcccaa attttgtaac ataaaaaat actaaatgat cttaaagctt cctaaattgt      180
gaaaagggta tgtgctaaca tctcagaact ttanacctgc ttgttgtcat ctttaccgat      240
ctctgatgat aaatgcagaa gggatctgag agttttttaa gcaagtagag tcaatcagag      300
ttttgaacat catagtaata cttccgtgat tcagagttag atcatataaa tcaaagtaac      360
aatttggatt ttttttaaac aacaatatca taactgtcat aaaacagatg gtccaacccc      420
aggagcagat aataacttgg gcagctctgn ggggaacaag acgggggaaa caactgttct      480
aactgcccac tagaacagtg gtttnaacta ctacaattct cagtgtttga naggtcaagg      540
gaagaaanga ctatgtggat cccttgtggc tatgcagata ctacctcacc agagtgtcg      600
gtagaanact ggtggttttg ttcaaacctt gtgantaaaa gagttggcca accttttant      660
cttttggaat aaaagccacc ntttctnanc caaaaaaaaa aaaaaaanct cccccctta      720
aaaattattc na

```

<210> 2170

<211> 803

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(803)

<223> n = A,T,C or G

<400> 2170

```

ccccntcga ttcngccgag tggccaaggg tggggccaag actccacata gatccanggg      60
ctcattccat gatgctctca ttctctanag tcctccaggt gtacaggga ttgtttcact      120
gacagacagg ccaggatata tcataagctt cttgggcaca agttggagtg gtatgggtgg      180
aattccagca caattaggca tatccgtggt tgggtgaaca caaccataca agggggagag      240
gtctctacca gtggcctgtg cagnctgcc atgttcttct ctggtcaatg ttttaaatga      300
taacttgnaa tactactaaa tacagccggg ccgcagtggc tcacgcctgt aatcccagca      360
ctttgggagg ctgaggtggg tggatcactt gaggtcagga gttcaagacc agcctggcca      420
acatagnгаа acccatctc tactaaaaat aaaaaaatt agccaggcat actggcangc      480
accctgtagt ccagctact ccgggaggcn tgangcnnga naaatcccn tgtacccccg      540

```

<222> (1)...(740)

<223> n = A,T,C or G

<400> 2166

```

cctttnttaa aaaacnagcc acaaaatecn cccttggtac tagtctggat ctggacttga      60
agggaaacat ttttcttacc ttttcttata agggacatta gtgggacact tggcaaaatt      120
taaattaact gtagattaga taatactatt gtattgttaa ttttctggct tttattctac      180
tttgattata ttataaaagt ccttggtgtt aggaaataga cactaattat ttggggttaa      240
aggaatatca tgtgaaattc actttcaaac agttccaaaa aacacagtga tatatatgta      300
tatatatggg tgtatacaca cacacacaca cacacacaca cacagagaaa gcagtgtaat      360
aaaagttaag atcatttggtg aaatctggga attcttttac aatcttagga actattctct      420
aatgaaatta tttaaataatg aaatgttacn gtatttaata tgaaaaaaga gngagctcgc      480
tgtatgtatt ctctcatgca aaagtatcgg ccatattatt gccaaagnca aaagcaagtt      540
tttgaaagta ggatgtatan ctctgtcccc attttttgtg aaaaaatggg atgtatgaaa      600
tgcattgtgca taanaaacca atctgttggt ccnggggcnng aaggcncnc cctgtgaatt      660
ncnacnctta aggggaaggct gaaccagcc ggancancca aggnctcagg naantgaaaa      720
ccttncnngn ttaaanaagg

```

<210> 2167

<211> 718

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(718)

<223> n = A,T,C or G

<400> 2167

```

cctntnatcg ccaagtgaact gtgtccctcg accgcaacaa accgacctca cactgatggg      60
aactggacat gtggaagagc tgctggctgc atcaggggaac agggaggagga agagggtcag      120
gggtggagagg aagatcagtc agtgggcaca agacagtcaa atgggcaagg cctgcctcgg      180
ggaactagaa ccttccagga tctggagccc gggagagcca cactgtgggc ttaatgtgaa      240
tagaggaaca agtgggtatc tctgccaggc accccacttt cttctagtaa catgggtcca      300
ggggactcag ccctggacag agagcctcca gagagtgaac agtcttccag atctgggcca      360
atcatcctgg acagaggccc gcgaggcagc tttgccctgt ccacctgttg ggtgggcaga      420
gccaccagga acccagacac cacctccaac tctgagcctt ccagagcttc agcctctctt      480
cgctgtctta cccactgaa accaacaggg gatcgggcca ggctcccaga ttcttgagga      540
cagggaacttc ngcatttact aattgggggg actactgttg nggtaagggg gcgcctgctt      600
gcctgatnca ngatggggtn nagggacaag tgggccggtc ctcactcacg gantgggggg      660
gtgtangetg gcccaccccc caaggcttgt ncancnntn ttcttccccg cagggccca      718

```

<210> 2168

<211> 739

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(739)

<223> n = A,T,C or G

<400> 2168

```

cctccttcg aattcgcacg aaggcacccc ctcccggggt gntgggtcct ccttgtcacc      60
tgctcctca tcatggaagg ggggtgggcta tgaagccgg tctcaaagat aactgcatcc      120
ttcattccag gaaagcccta gaattagggc acattgcaaa ctgaaatatg actataattc      180

```

```

ggaggtggga ggttgcacca gaagcccaaa nattcgctac ccacccactg gtactttcca 600
gccgtngggc caaacaagan gtggaagaac tcttgtcttc caaaaaacca naacnatnna 660
aaaccctggg cggggggcca acaagcnggc ttnattgccc tggtaaattc ccaacaacnt 720
tttggggaag gcccccanng cananccgga ttcattgaag ntcacggaaa ntngnaaaac 780
ccnnttcntg ggcccaacat tgg 803

```

```

<210> 2171
<211> 763
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(763)
<223> n = A,T,C or G

```

```

<400> 2171
cnccccceng ttntggttgg gaggtnttct gaacttaaaa aggaaaatng caaccattnt 60
agggactagt tgcctttgga ngaaaaggan aattgcaaac ccttataaag accaatttgc 120
ctttggagga gaaagccaat ttatcatcca aaatcctcag aattctcaaa tacaaaaagt 180
tctgaaaact gaaagtttct tcttaagttt ggtggcaaaa gttatttata gtcttgactt 240
atcccatttg atgtgaatct gcttacattt cattgcacaa aatgtttctg tgattgtgaa 300
atactgttcc agaagccact gggaggttta acttaataaa tagtatatgc aacgttttac 360
tcttctaaaa tctgaaaatt gtgaattctg aaacatatct cagagggttt cattaagaat 420
ttttgggctt atacaaatth atgctacata aatgtttata gtcttgnctt tctctgggat 480
ataccgtntt tactttgccc ttttacttta ggccctcaaa tcatgcaagt tatattttaa 540
atthtgcctt tgcctttcaa aantantctt ggttactact atgatagggt taaggatggg 600
gaaaagggtt aatcttgcnt tccatttttt taattttggn aantccanaa ttatgggtta 660
cctggcccca atthtaatth ttggngttht ttttctcttc naaagccgtt aaaangtttt 720
gggntttnan ggnccaaggg gggnggnngg gcctcaccnc ccn 763

```

```

<210> 2172
<211> 1113
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(1113)
<223> n = A,T,C or G

```

```

<400> 2172
acgggggagg ccctaccngg ttaatgcggn aanattcngg gnnnaacggg aangnnaann 60
ataggatttt ngtaaaagat atttcccaat gggagccaaa ntnggttcan ctnggctagc 120
ntntctgnnt atntgcgcnn aatctacgcc ctntancgtg gccaanatg gnatgggggg 180
ttaagannan ggctcgccac tntgctntgt cntntactat ctatatttat aggggggggg 240
ggggngagcc nctnttttcc cgccacact atctnggtat gacgccntc nntctntcgc 300
atggatgtgg cacatantat tgntntnacc atttaatgtn tctgnnaatc catngggnta 360
ccacgganat atgtaannan ttntatgcgg cnetaggntc tccgcnaaag tctattgnnn 420
atnatgctnt ctncntactn ccngcgtgaa nattacgntc ncngcccctn ncttaannct 480
gnntttntng aanatnctcc ntntacacnn tnnntacnc ctantgtntn ctgcnenncc 540
anaaatatcc ntnccataac ttncangnnt cgcacannge nnaannnctn tcccttctcc 600
cateccattt nnnccnnnatt naantntcgt atananttnn gaantctatt ngaancganc 660
cnntcaacnt ngncgntctc ntntntaaaa ttcgaagntc tntgggnnnn aaaatgncct 720
ggcgcctnt naaggngntt ccccnngnaa cantcttccc nttgttnnan gttgtggann 780
ntaaaatngg gtntnntnnt cnangnccna ancggtctng gggagaanac attgntctnc 840

```

```

gggtaaaant aaananatat anntccnntt actctctcnc atatagaaan aannagnagn      900
ntcctctcnt tttcntgcnn naaancattt atncgncggt aatnggccnc tagnaacat      960
nntgnnaaaa nnttcntntg ncctcncata taantgccac taaatcntnt cnnnaacntg    1020
gtggggntta ngaganaann ttccttcagn nntctnatn ntgggatccn ctngngggaa    1080
cannatnatt tctnnncann gnggncaana tna                                  1113

```

```

<210> 2173
<211> 736
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(736)
<223> n = A,T,C or G

```

```

<400> 2173
nccnttcgct gggatggctg actgctgtgg ccgggctggg cagtgtgccc caacagctca      60
gtgctttcct gacactccag tgtctggggt ggttgaggag ccgagttctc tcttcctccc      120
agaccaagtt cctccctcgg gtttgcttg agacgtgttg cgtttttggg ccccggtggcc      180
tctccctggt aggctgccac aggccctgct tctggaaggt gaacagctcc tggctgctgc      240
cgagagggtt ctgcttgggg tcaccaaagt gtgcccggt gctatgaaaa acgttgggaa      300
tcttggtttc agttttttat tctatgctag gttgtacaga cttatttata tcatcgtttt      360
gagggactaa tggaggctta ttgtaacata taatattann tgaaaccatg gaattatatg      420
aaaatgatac atgagaaata angaaactnt tttgctgatt gnaaattttt gtgggaaatt      480
ttgtgataac cttgagaatt atacttgntt gaatcnaagg ccacttcttc tagaatttat      540
tgggtcaaatt ctgncatatt taccttctaa atctnctctc aaaggggccc aaaagatacn      600
tatctttact gggaaaaaaa aaaaaaaaaa ccccccccn tttaaaactt ttangggggc      660
cntntcccg anancccccnc ctgannanac ccnttngtgn gttggggncn nccccaccn      720
taaaaaaccn cctccc                                                    736

```

```

<210> 2174
<211> 835
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(835)
<223> n = A,T,C or G

```

```

<400> 2174
tnannentat aanngtncca ggagataant agactanntn cgcctncgaa tgnentgccg      60
ctcggctcac tgatattgga gtactccgan aagggggatn tattttggca nnnatgttnc      120
ttttnnctg ntgtnttnaa ngcttcctat ttttatanca tatcgcgaaac ttngttcana      180
ccnacttgcn cnnnaacaan atnacagccc nnnngctgten gtgaantagc nggatatcac      240
accantgcan antnttgggg tattggcnng acntgtgnet cgaatcctcc agagtttnan      300
gcggngggaa tcacangctc tggtnnnngg tgcntntgga aacattgtgt tgcngaange      360
ccacatgtta tgcncaaaacn aaaacntggc gccntttgng ncatatgtnc antgananta      420
aattcnnnc cccnatacct ctatnngnnt gtgtnntgn atgncctaan accctatnan      480
tnnctcgnrc ntngtcnca annggtccat cntnaatnag ngannttctc ctgnnnnttt      540
catttgntac cccaagaaca ananttncaa agtttattnn naanaactca acggaaantn      600
nctttgttnc tattaacaan aattaaaaatn cntggnaatn ataatacaac atagntnnta      660
ntcccttttt nnncgtcann naataagctn cgnatatac nngcnnaaat nnnagaataa      720
cantatnggn nnttanacnn tacngnnann gngngtgcnt gtacnttaca tttctantaa      780
tggcagggnt nanatgggtt atctatatca nggngctntc tcgaaaatna ntcng      835

```

<210> 2175
 <211> 773
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(773)
 <223> n = A,T,C or G

<400> 2175
 ntntnttcca nncenncaan atatnccctaa ataacatgtc tnacntgntc ggtaagactt 60
 actgcaccct gtntctataag atagaanatg ccctgccctt acaagacaan ganactgtag 120
 agctatgcct tctaaatctt aanccactct tnagataatg gatcccttna tggccagccc 180
 aaacatctca ngaactttta ntttgcaccg ntctgttttt ntttccattt atttaataacc 240
 acnnattcac tntattatta tgaagccaat atcnacatnt tttcacaang attctctnaa 300
 gaaatgcaga antggccggg tgcagtggct cattcctgtt atncccagcn ctttgggang 360
 ccnaagcggg nnggattacc ntgtngtcgg nnagntcnag accnccgctg acnaacatgg 420
 agaaacccct gtctctacta anaanacaaa atcngctacg cgtggtggca catgccctgc 480
 ancccagctn ctacggangc tgagggnagaa naatccttg ancctgggaa gcnnangtt 540
 gcngtgaccc ncaacatttn cncatttgc cttccagcct nggggaacac gnagcnaaaa 600
 ttccngtntc nagnaaaaaa aaaaaaaaaa nacanntntg nngnccttnn anaantcnc 660
 cagnggngtt tctttncnc taaatccan nncatgnnaa naataaanct ttgggtnncg 720
 tcttgggaen naacccttn tttnnanaat tnnccnttc nctcctctct nna 773

<210> 2176
 <211> 1067
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1067)
 <223> n = A,T,C or G

<400> 2176
 gaannngggg gggatcngtc anccnntgct anttntctggt gaaagggnna nnaatgataa 60
 attgattaat tttactagaa gaacnncgan actnccnct aatntntgga ctggnggtgg 120
 ggataggagt nttgacgnt cacancacaa tgngaattna gantgngngn nagtatatan 180
 atttancatn atagnntggc ntangggtnn gnggnggggn gtatgttttt ntncntatng 240
 ccanacttgt gcatcacatg nttanacatg anagcncng atantatatt tanttctgt 300
 cngnctnnc ntanantntt tnnnnntnna naatgttatt ntatcgatng tcatgatgt 360
 antcctttn gccncggnan ananangtnt acgcggnncn nncngtnnnc nnaagccnc 420
 gtnggnnanc nntggnncga nnantgncna tatactnngt nnnntnacnt aantnaant 480
 natgnnccgg anatacgttg tttnnnnacn acgaantann natgtgntag acnagtagnt 540
 ntgtntaag aaaggntna cganntnat nnnccngaca ngancnnaa gcagatttgt 600
 mnantggtgt tcggcaaagt cacancang ncacnagggt gttgntgt gagnnnnatn 660
 nctnccngag aggnnanatc tatannnat ggancctna ngtnaganca tatctatntn 720
 nctgttnaat tncggnnngt gggnnannna tcnntgatnt nntancncg tnnnaangtg 780
 ncgngatgt atcgctgnt gntatcnna tacnaaanat ttaatannta tngcgcggnn 840
 ttatttgata acggannngc gacngtgtgt ntgntttatn ntaccgcact ncgctcgcg 900
 ncnccngnt atatnangag tnnanantnt tgatgtnaga tgtctnggga ngatntcn 960
 gttacgnacg cnntcngtag cngnacng ntnggcnnat ancgancntc gatttctatc 1020
 antntggnn nncgatntag acanatatn agtcgncgat atngngn 1067

<210> 2177

<211> 978
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1) ... (978)
 <223> n = A,T,C or G

<400> 2177
 gatcgtgna gattnctcan ctctagnntc ttaannctac nnaaatatgn cattatcnnc 60
 acanactgac ntcentngat gcntgatngn ttccccatcc cttctgnata tnaaccanct 120
 tgccnttccg agcancagtg ccacatnnnt ntggntgtgn nacagtcenc tcnccatttt 180
 tcctgaaccg anagntggna ngactnanag tananaatgc aatatnttcn naaccacttc 240
 nttaccnaga nnaanttnac ncantntaaa ccnnantatt cttaaanaan ttactcnncn 300
 aaaaacncta ttatntaaan tgccntttga atnnaagntt ntntcattn nnggttnatc 360
 cggncngnag cctaatanng tgtacgntac tttggccgcn ttggatgngn ngaactcttc 420
 attaanctgt ggnnangnt cantaatncc gntcgggtat ntcccttatg aancangaat 480
 catatcnag gnttanntct tnnngtcta tcccccttc taggntancn nctaaaanna 540
 cntgngcct tgnntcntn tnncaaaaata atctcacant gnatgagcan tgtangaana 600
 cntccttgt gnttaganaa tnatctnata tantccanac cctctntngg nnaaaagngg 660
 cgnanactt ccccgnnant cngatagtan gtccccngcc tcntagtac tttctntgna 720
 nanaaataga acatnacanc atttntnncn gcannnttnc ctccaatgg natccccctn 780
 ngggtccttt agntnatntc anacnatnta agntgannt tctctctna aanaatctnn 840
 ctacanggt caacnaaaan nggnatataa ngctctntn ctntccctn ggtngngaga 900
 gtcttntnna tcttngangg atcccacaac catagtntat attantggg acgcgngngn 960
 gcgggcctn ttgtntgt 978

<210> 2178
 <211> 739
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1) ... (739)
 <223> n = A,T,C or G

<400> 2178
 cggnggngc gaattctcac ccttttagtt ctccaaaatt taagatactt gatttcttag 60
 gtaaaatgtt tttgtttttg ttttgagac agagtctcgc tctgtcgccc aggtggagt 120
 gcagtggcgc gatcttggt cactgcaaac tccgctccc agattcaagc aattctgcct 180
 gagctccca agtagctgag actagaaagc gcatgccacc acgectggct aattttttgt 240
 attttagtag agatgggggt ttcaccgtgt tgcccaggct ggtctcaaac tcctgagctt 300
 aggcaatcct cctggggcag cctcccaaag tgctaggatt acaggcgagc catggcgctt 360
 ggccagtaaa atgttttcta tctagaatga atcaaggat tttccttgc cagtagcttc 420
 tagaataaga aaaaaatagc agcaagatct gattcagaaa tagttgggag cagaaagtta 480
 atatgaagga gttgctactt gttaacagcc tagagttgag atctanaaga attattacct 540
 ttttaaattg ntgatgaaag cttaaatcca catttgggaa gttactctat tggctgaact 600
 attttgaggt tttggtaagc tttggattaa anattcctga ttttaactgaa acttaatttt 660
 gccacatagc ttttnaattn cattcccang ttttacttgn ttttanctgg ccntnaaaaa 720
 ctnannaatt tngaacnnn 739

<210> 2179
 <211> 773
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(773)

<223> n = A,T,C or G

<400> 2179

```

ncccnnttgc gngaaatac tagcgctcct ctactntctc taacggnaaa gcagcnggaa      60
tacaagagac tgaactgtat ctgcctctat ttccaaaaga ctcacgttca nntttcgctc     120
acacaaaagcc cgggaaaatt ttattagtcc tttttttaaa aaaagtnaan ntaaaattat     180
agcaaaaaaaa aanggaacct gaactttagt anncagctg gaacantccg cagcggcggc     240
ggcngccggc gggagaagag gtttaattna gtngattttc tgtggttgtt ggntgncgc      300
tagnctcacg gtgatggaag ctgcacattt tttctanggg accgagaagc tgctggagggt     360
ttggtttctc cggcagcagc cgcacgcaa ccaaggatnt ggggatcttc gccctatccc     420
aagatctgag tgggacatac ttttgaagga tgggcnctgt tcaatcataa gtgtgacaaa     480
aactgacaaa gcaggaanct tatgtactca gtgangagnc cntgttttg tctccaanag     540
acgntttcnt tttnaanact ngtggtnccc ncccttnttt ggntgaaagc attgtttccc     600
cctgtttgaa agctttgntt aagggatnnn agngggntnt gactcaatt ttcaactttc     660
tttttcttcc cttggnaana annttcntt gaaannctt nttcaccaa anggggtccc     720
cancncccg nntttttcng gaaanaaant aaaagcttcc ttttaatgcc nna              773

```

<210> 2180

<211> 744

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(744)

<223> n = A,T,C or G

<400> 2180

```

cnttttttta ttgcacgaa gaacgacccc gaccgaccaa agcccgcgcg ccgctgcac      60
ccgcgtccag cacctacgtc ccgctgccgt cgcgcgcgcc accatgcccc agagaaaggc     120
tgaaggggat gctaaggag ataaagcaa ggtgaaggac gaaccacaga gaagatccgc     180
gaggttgtct gctaaacctg ctctccaaa gccagagccc aagcctaaaa aggcccttgc     240
aaagaaggga gagaaggtag ccaaagggaa aaagggaaaa gctgatgctg gcaaggaggg     300
gaataacctc gcagaaaatg gagatgcaa aacagaccag gcacagaaag ctgaaggtag     360
tgagatgcc aagtgaagtg tgtgcatttt tganaactgt gtacttctgg tgactgtaca     420
gtttgaaata ctatttttta tcaagtttta taaaaatgca gaattttgct ttactttttt     480
ttttttaaaa nctttntttg ttaccncaca aaacacttca ttgttgtttt tnggggaagg     540
ggcatatgtc nctaatagaa tgtttccnaa gcctgggatt gatttggana aaacaccttt     600
cccttctagt nttgaaanac ttccttttgn gtncccaagg angangggaa tcccttgact     660
tttgacacac atnggcnccc ttttgccaca aaancnttg ggggtnaaaa aaannaaatn     720
nggtttttat ntcccctttt tccn              744

```

<210> 2181

<211> 741

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(741)

<223> n = A,T,C or G

<400> 2181

ccnennntng ntganaccaa	naggtacaga	tgaagtttt	tagttgaccc	atgaggcgac	60
cagaatttca tggatgctct	acagggtctt	cttgtctcct	ctaaaccctg	ctcatcaact	120
aggaaacctc aggcttgaag	agtgtcgaat	tatgtcctct	gcaaaaaggc	cactgtgggt	180
gaattgggag aaccagaca	tcatgtcaga	gttactgttt	cagaacaatg	agatcatctt	240
taaaaatggg gatgatttac	ggcaagatat	gctaacactt	caaattattc	gtattatgga	300
aaatatctgg caaaatcaag	gtcttgatct	tcgaatgtta	ccttatgggt	gtctgtcaat	360
cgttgactgt gtgggactta	ttgaggtggg	gcnaaattct	cacactatta	tgcaaatcca	420
gtgcaaaggc ggcttgaaag	gtgcctgcag	ttcaacagcc	acacactaca	tcagtggctc	480
aaagacaaga acaaaggag	aaatatatga	tgcnnccatt	gacctgttta	caccgttcat	540
gtgctggata ctgtgtagct	accttcattt	tgcggaattg	gagatcgta	caatagtaac	600
atcatggnga aagacgatgg	acaactgttt	catatagatt	ttgnacactt	tttggatcnc	660
angaagaaaa aaatttggt	taaaacgana	aacntgtgcc	attttgtttt	gacacncgaa	720
ttccttaata acngattant	n				741

<210> 2182

<211> 770

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(770)

<223> n = A,T,C or G

<400> 2182

netcnntntt atctcccaag	ccannccctg	gatgaaaaca	tgnacctctt	ggaaggtata	60
ncnggctttg aagactctgn	ccnacagttt	atctgccatg	ttgtgggtat	cacttaccag	120
cacatngacc gctggctgnt	ggccgagatg	ctcggggatc	tgccgggtaa	cgccctctgg	180
gtcttgngn natctgggag	gttgggggtg	gctngggcag	nggnccctcag	tcagctcctn	240
caacaggcct gtctgggtnt	tatcaggtca	gcatggaang	cccancctaa	ggaggaaata	300
ngaacttggc taagacantc	tctgncttng	aggganatcc	tatgccattt	gctcatttta	360
tttttgcatt aattgagtgc	ctnncgtgtg	gtcantgtgc	taanctgggc	gttccancat	420
tnnacaaagt gggatggctc	cnattcattc	tcantgangt	ancaacncca	catggcnaca	480
atgggagggtg tccnntcggg	gaattccctn	tcntnaatng	aaancnang	acannnttac	540
anaccaagtg gccatctgaa	ncccttnccc	tcccnttaca	nnagaggccc	gttggccctn	600
cntgtntntg cnnaaangan	gatncccn	ttacngnccc	ctgaenttnt	aaentttcnt	660
gggctaaccn naggtgnac	tgcgcccnat	canagctaaa	tntcgcgcca	aaantcnaaa	720
acttngnggg tttgcanggg	gcnnnttctaa	ngtcatgntg	nggcenrtcc		770

<210> 2183

<211> 711

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(711)

<223> n = A,T,C or G

<400> 2183

cctcctntcc attcggcacg	aggaattttt	ttttttttt	tttttaana	aaataaaact	60
ttntttttta taanaaaatt	aangttttta	gtanggaaaa	nccngtttgt	ctttcnttta	120
ccantncaan cantnttttt	tccaaaaana	tnctnngggg	tttatngggc	cnttngtcng	180
aanccanccc cnggggaatn	tntaaangat	cccctgctnt	gancnccaag	tngaangtaa	240
gtttttnttn tncctggggg	aancaanggg	ttcanntgtt	tnttgcangg	nncanttgcc	300


```

anggganagt taancncant tccngnaccc ntccctgaana aaaaatnctg ccaaaaacaa 360
aaatnccccn gggtaaanac nncccntgaa taaaaaaaaa tcgncntaan gngtntcaaa 420
ttttttattn ttngggcanc aanggacttt gatcccttgn cnggcttgga aactnctgcc 480
agcccaactc antacanngc anctanaant gnttccaatn tggccnggga aaatcaaant 540
acccgggggc ccaaattgtt gaagtttttt gaccacaann ananaggaaa nacaaaaana 600
ggaaaaatncc ctnccttgn tttaaaaaca tntncttttt tgccaaagng ctttaagggn 660
ggaccgggaa naaaaacctt ttttnncnc anacnaaagg gttcaaccn n 711

```

<210> 2184
 <211> 749
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(749)
 <223> n = A,T,C or G

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<400> 2184
gcccntngnc ccngnccac agaataccnc tggttggagc ctgcacatcc tccagcctga 60
tcaaaaatta ttctgcatag tcccantgt gctttctggg agctatgtac ttcttcaatt 120
tggaactttt tctctctcat ttatagngaa aatacttgga agttacttta agaaaaccag 180
tgtggccttt tccctctag ctttaaaagg gccgcttttg ctggaatgct ctaggttata 240
gataaacaat taggtataat agcaaaaatg aaaattggaa gaatgcaaaa tggatcagaa 300
tcatgccttc caataaaggc ctttacacat gttttatcaa tatgattatc aaatcacagc 360
atatacagaa aagacttgga cttattgtat gtttttattt tatggctctc ggcctaagca 420
cttctttcta aatgtatcgg agaaaaatc aaatggacta caancacntg tttgctgtgc 480
ttgcacccca ngtaaacctg cattgtagca atttgaagg atattcagat ggagcactgc 540
ccttanacat tctcttgggg ggattctctg cttggcttcc ttggaacttt ntggnaagga 600
taaattctgg ataanggcac ttcaagaaan cgtaacaacc ccagtgctt ttcttccaaa 660
tcattatgga naaatactat tgccnntnnc aaggnagaat gccaaacccc cccacggnaa 720
aaattttnga agnttccngc ccaaatttn 749

```

<210> 2185
 <211> 741
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(741)
 <223> n = A,T,C or G

```

<400> 2185
cnncncgct gacttggcct tttcttctat ttgctgggta gaaaagtcct taaagtggat 60
gctcatgttc agtggcctgg gcatatattg tttcactggg atcaataata ttntagata 120
taattttcta gcagctagggt tttacatgta tataactat ggttcagata taaattaccc 180
atctctctat attagcccag ttagctagta catggataag tcattagata atttgcctacc 240
catgtatttg tcctattaag atgtagtat aataaaatta ccaagttatc ttagtattgc 300
tattatgggt aatatttcct catgtaaact gtataaactc acttatatac atatacac 360
atgtacacat atgcatacat aancacacac aaaggttaata aaagtgattc tatatgtagc 420
tagtaacaag ntaatttcag aatatttatt ttgtttttct ctantggaca ggngggaaaa 480
tatgggaaag gangtcttca gggctgcttc tgacctgact angacatgat taaaacactt 540
nggggagcct ttagaaataa angggctgtg atggtcagaa ntttatatac ntttttnnac 600
cctatgatga attttttttt tttttttnan nanaaanttc cccctnttat tnntttnngc 660
tgnannnncg aaangncccc ttnttggntt nattnganac ctgngccttt ntggntcnaa 720

```

cnaattctnc nnnctnanc a

741

<210> 2186

<211> 795

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(795)

<223> n = A,T,C or G

<400> 2186

ccnnnatacna atcggccgac caacaaaagt cgtgagtgat cactgaaagc tctgctgtga	60
agggtgacatt tgataactgg ggaagactgt tcaggtaatg ggggcacatg tgtgtgcana	120
ggcctgaaga aggtgctggn gtggcaagaa tagccaagag actcatcact ggacccgatg	180
gggagaggag taaaagaaaa ngnccaagaa ttggaagaga tggcgggcan gtcattgtagg	240
gccttacaaa gaatttgact ttggctgana gggganccgt tagaagggtg tgaacagagg	300
agcaatgtga tctgacttct cttttagctt ttagtnccct gtacctgcct tgtggagaac	360
agccagagac aaggctanaa gcagggactc cagntagatg gtggcatggc cttagggcag	420
ngagggttgg tngnagttgt aatgtcttca atgtcaagaa acttgaattt gacntgntcc	480
aanagcattg aganntcatg gaannatgag ggttgggggtt gcgnaaattt acntaatcag	540
caancacccc gnetcttgtt cccctgttgg cnataccnac tcgttgtntc cnatttgtgtt	600
naaatnttn cnctaagtct ctnccaanaa nttangcccc ttanagaata attnattnt	660
taaggaataa tttngccttg aaaagggccc cattanaaac ccccatcttt tcccccaacc	720
ccttttnaag ttttnattna aaaaaaacnc natanccttc gcccgaantg gacttnnngg	780
gccttatant cccc	795

<210> 2187

<211> 750

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(750)

<223> n = A,T,C or G

<400> 2187

ngcncattnn ttctgnacgn agggccgttc tccctttctn ggtaaacgga tgaagaaata	60
aaaatgccat ttctatttgt aaacttgat ttttgtattt atatttagga gtataaaatg	120
tacttatatt taggactaca aaaatgtacn tgggaagggtg acgggacctc tatactcagg	180
ttaagtctcg actgcacact gacaggagta tgtagaccat tccatttccc tgaagactca	240
gccttggttag tatcaggact ggtcggcaga tgtgcaggaa aagggtggcna gaaagtgcaa	300
gtncatanaag cagatgatat ttccagatcc acagcancce gaaatactac aaaangaaaa	360
tatatnacnt agcctcttca gatcatcggg cagggccttt aatcctctgt ccattacaaa	420
taaaaaaact ttattactga ttcatacataa tgaacantat taaattttta aaatcacata	480
aagctgtgtc aattttaaaa cccaactggc cgtctttcca aggacataa cnagcnnctt	540
aaaaaanaac cacattgatg accacccaac cttctttgnt gctccncttc ggggggatcc	600
ctacctttct gaactttgga nnacntccc acangantct gaccccttt ngnaaggngn	660
nttnacntga ncttgatngg gccnacnng gaaattgtng gaagggtncn cantaaagtng	720
gaaccnnnt ggtttcnccg ganaattccn	750

<210> 2188

<211> 930

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(930)

<223> n = A,T,C or G

<400> 2188

ttgaataccc	cgatggtaat	ttncaaccgn	ccccgtgntt	ntcgtnttcn	ncntggatcc	60
cctgggtgcc	anattannng	ntncttcann	ngtanagaan	gtaaaaattca	caatctcctt	120
ttttnatggg	ngnggacttn	tttctaattt	gccacttatt	aatcntggnc	aaaatgatnt	180
gnccnagntt	catcnctatc	tgaatttggn	cattacnccn	gcnatttcta	atngcnggga	240
atantcttac	tgctnaactn	ancnttnnc	atttggaat	nttnggccc	natcaattan	300
gnnngncnnc	tttaanggcg	ggtnttnga	nnctgntttt	cgcctnct	gctggtcctg	360
nnctccccct	nnntcgnaa	natngngctn	gtgnncnttn	gtttaaatan	tgnnnatcgc	420
ccttggnaan	tngtcctntt	ngngnannnc	tccantggta	ngtcctgttt	taantnnaat	480
ggcgcaaaaca	ntcgattngc	tnnctcattt	cacgntncct	cnntttttgt	ncttannncc	540
naatttanac	ncaaccnna	tttaacttag	caattcnecn	accnnttttn	ggtaaanntn	600
ttcnggntct	cntcnaacan	angganaant	ntttttacnc	ncaatnnncc	ncggggcctn	660
acannccat	aaaattgnnt	tttcccncc	ntaaanttn	cccctaatta	atannggnat	720
tnccangn	nnntnctcct	tncaactcan	atnccctggg	cacctcctan	tataaaagnc	780
ncntttcagt	nnntntatt	ntccaaacna	nntttnaaac	nnaaaaatnn	tgggaccagg	840
nantttctac	cntaannagc	ctaccccccc	ntattnnnaa	angaaantgn	ctcntttaag	900
mntanccaaa	cnntaatccn	ccnccgnca				930

<210> 2189

<211> 745

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(745)

<223> n = A,T,C or G

<400> 2189

ncccntcnaa	ncgncganac	tgattcnttc	ctttntttac	aactgttaaa	aaacctcaaa	60
atagttctct	tcaaaagaag	agagattcca	agcaaccat	ctttcttcag	tatgtatgtt	120
ctgtacatac	ttatcgagc	gcgccagtaa	gtatcaggca	tatatatctg	tctgttagca	180
atgattatta	catcatcaga	tcagcatgtg	ctatactccc	tgcaagaaat	atactgacat	240
gaacaggcag	ntcttgagga	agaaagagca	ttctttaan	tacctgggga	atacagctct	300
cagtgatcag	caggagttt	atgtgaggac	atcagtcacc	tttggggttg	ccatgtacaa	360
tgagatttat	aatcatgata	ctcttcggtg	gtagtttcaa	aagacactac	taatacnat	420
gaagccgttc	cagctattta	atgctggcaa	ctactgntta	atggtcagnt	aaatctgtga	480
taatggtttg	aaagtggng	ggggatgaa	attgnagatg	tttttagaaa	aacttgngga	540
atgaaaaatg	aattcnaatg	nttcnatggn	aagaatgggtg	aaccattg	tatcattcca	600
ttcctgtct	catggcaaaa	aaanttttg	aacattaaaa	aatcanaatt	aancccaaat	660
ggtttccttt	tttttaaaaa	aaanaaaaaa	aaaaancnc	ccccnttta	naacntttng	720
gngngcntnn	ttcccaacna	ccccca				745

<210> 2190

<211> 765

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(765)
 <223> n = A,T,C or G

<400> 2190

actccnnnnn	annnnccgag	gtttggggag	agtgatggta	gaaggactcc	caggagggcc	60
ctggagacag	tgtgaaatnc	gagggagggtg	aagatgcttc	tgtggctgcg	gagtggtccg	120
gggaggcag	tgggaccctg	cagaggagtg	gctctcttgg	caagatccgg	gatgtgctcc	180
gcagaagcag	tgaactcttg	gtgaggaagc	tccaggggac	tgagcctcgg	ccctccagca	240
gcaacatgaa	gcgagcagcc	ttcttgaact	atctgaacca	acctaagtga	gcacccctcc	300
aggtctcccc	gggcctcagt	gccagcacca	tggacctctc	ttcaaagcan	ctgacatttc	360
aacccggccc	ccangtctgc	tgggtccccc	cacccccac	agtccctcac	aagcattccc	420
cattgctctc	tggctcttcc	ccaccctag	gtgggacant	gaaggggagc	agtttaacca	480
gaagattgct	gtgcccttan	ggtcttaanc	tccntcctc	caggaatccc	tctttaagaa	540
gggacccttn	agganacctt	ctctgcnacc	ttgtggtact	tttnagagta	nnctngcctc	600
tgaggcccca	acggtggggg	ncaaaagcca	nngtantngc	cccnaanan	aatccancct	660
gctggccggc	ttttcaagcc	aaaaangttt	tgggggggnt	tgncaaaaa	anntngcctt	720
tgnccttggg	cggntnttna	ctcccttcc	tttgggtgnt	naann		765

<210> 2191
 <211> 754
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(754)
 <223> n = A,T,C or G

<400> 2191

ccccgnttca	atccgcncga	ggggntccca	acttgccctg	cagntgtnc	ctgagacctc	60
aaaccagttg	gagctgatca	caaccagggc	cacaaaggca	ggcttctccg	gtggcatggt	120
ggtagactac	cctaacagt	ccaaagcaaa	gaaattctac	ctctgcttgt	tttctggggc	180
ttcgaccttt	ataccagagg	ggctgagtga	aaatcaggat	gaagttgaac	ccaggagtc	240
tgtgttcacc	aatgagaggt	tcccattaag	gatgtcgagg	cggggaatgg	tgaggaagag	300
tcgggcatgg	gtgctggaga	agaaggagcg	gcacaggcgc	cagggcaggg	aagtcagacc	360
tgacacccag	tacaccggcc	gcaagcgcaa	gccccgcttc	taagtcacca	cgcgggtctg	420
gaaaggcact	tgctctgca	cttttctata	ttgttcagct	gacaaagtag	tattttagaa	480
aagttctaaa	gttataaaaa	tgttttctgc	ngtaaaaaaa	aaagttcttc	tggggcccg	540
cgtgggtggc	cacaccctgt	tatcccangc	accttgggag	gctgangtgg	gaagatcatt	600
tgagggcngg	aagtttgana	cccttgnctt	gggcnacatt	aaatgnaact	ttcttttnca	660
ngggagaaaa	aaaaaaaaaa	aagccttttg	aaanccattt	tttttttnt	taaaangnca	720
aaaaaanaaa	atnccnttt	tngggnaaaa	aaan			754

<210> 2192
 <211> 782
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(782)
 <223> n = A,T,C or G

<400> 2192

cccntttnat	tcgcccagg	angcaanagn	aacctcttcc	agcccnctgt	tcctnagaag	60
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gtgccaggtt tccnncatca cacacntacg cagcgcctcc ntccactcgg aaggactatc 120
ctgctgccaa gagggtaag ttggacagtg tcagagtcct gagacagatc ancaacaacc 180
gaaaatgcac cagccccagg tcctcggaca ccgaggagaa tgtcaagagg cgaacacaca 240
acgtcttgga gcgccagagg aggaacgagc taaaacggag cttttttgcc ctgcgtgacc 300
agatcccgga gttggaaaac aatgaaaagg cccccaaggt agttatcctt aaaaaagcca 360
cagcatacat cctgtccggt caagcagagg agcaaaagct cattttctga agaggacttg 420
tttgcgga aa cgacgagaac agttgaaaca caaacttgaa cagctncgga actcttggtc 480
gtaaggaaaa gttaggaaaa cnattccttc ttaacanaaa tgttccttga gccantcacc 540
ttatgaacnt tgttttcaaa atgccttgat tcaaaatgca accctnaca ccttttgggt 600
ggagttcttg aagaantgga aagaatttaa cccctcaatn gtaaaactnn ccttnaaaat 660
tnggaccttt tgggccataa anangaacnt tttttattgg ccttaccat cntttttttt 720
ttttttttta ancanatttt ggcnnnttna anaaanttgg gtttttaaaa aaatttttan 780
an

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<210> 2193

<211> 1413

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1413)

<223> n = A,T,C or G

<400> 2193

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aanggagggg naaagggnnn ncggggggnc nnnnanaaaa aaaaaggggg aagaaaaaaa 60
aaaaaaaag cccngaaana gttnnnncaa aaaaccccaa gggnaaaaaa anantgttta 120
aatcgagggg ggncnngnnc anccgggnc cactnnncaa angnggan anacccccng 180
ggnggnaann nggggggggg ggnntntttt aaaaagnaaa aaagnnggan aaacnncaga 240
cggntncacg ggtngngcgg agggcngnca cggngngggn aanacngaag agaannaanc 300
cccngagngc nnnngngncg ccncagacnn cgnncacaca ttancgaaa ggcggnaac 360
aanntccagg gcanaangnc cggangcgac tanannacng naaggnggt cntcaannng 420
ggagggcnn cnaagnngac ntcgcaacca cangantcca acggaanaac ncgntnnggg 480
gangggcnn cnaacgacng ntnaacnagg gnncgntaga nacannncgn caannngnng 540
naggnggna cnaacgacng ntnaacnagg gnncgntaga nacannncgn caannngnng 600
cncncngann cgggncagna atannccnch gggacncng gnacannnt nnnncnangg 660
ngncancgcc aacaanaacc cgnaatcgcc aagccncnan gnangnagga aggtcnncan 720
ncgancagna aaangcnnga agtacganc cgcgcgncnn gaaanacggn ncagaantnc 780
ggncagnc caggggnatn ggcaacanag cnnnnacact cgtncnnna ccaggggaca 840
natagnnca gatanacnnc accggagagn nacnncgagg cangccggan nnacnncgt 900
gagaannacg ccacatcaac gagngacgac gngncnagc nagtcgacac gncacnngga 960
agcatccggn nggcngcgcg aaananaccg tcagagannt gcnagagccg atatacnngn 1020
cgaacgacna tacnncngng nagacatcgc gnaagncng anacgnnagg gaagaaaaan 1080
anagnccnnc nanncnng ncaccacgnc cccnaacacn ncacngatg gggananaaa 1140
agangntan ncnacaagg tnaggatgt gatgacnac ngcgccgnc caancan 1200
nggagncgaa atacgacang gagccagac ngagccaccc ancgcacgna aangcacggn 1260
gcccgcgnc atnccagcga gnanagnan ctcgncggt anacgggagg ccnnagaggc 1320
ggccanacca nnacnnnnac ncaccgagng acgaganana ncaaaatcca cgnacgcnng 1380
cnntcanaag angacnncn ccnngnnaaa ng

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<210> 2194

<211> 745

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(745)
 <223> n = A,T,C or G

<400> 2194

atnnnnnaaa ccaggggctc atgtaactgt gattaagctg tttgttgccg gaattaaaga	60
agattntgag gaacatcacc ttagagatta ctttgaggaa tatggaaaaa ttgataccat	120
tgagataaatt actgataggc agcccggtcgc tcagcccgga tgacagtgcg gaggagaact	180
gagggcacgt ggggtgcggc agcggtctag ggcccgaggc agcttgcccc tgctgcccgt	240
cagttcttgc tcctcacggg gcgtcacccc cagcccagct ccgttgatca taaatgcctt	300
gtggcagagc tcccggtgaa cttctggatc cgtgttctac tcctacccca cccacccct	360
cacttgtgct gttagaactc actggccant ggtgttctac tcctacccca cccacccct	420
gcctgtccca aattgaaaga tccttccttg cctgtggcct tgatgccggg cgggtaaang	480
gtatttttaa ctttaagggt aagtcctgct gtgagtggtt acagctgacg ctcgggnaag	540
aacaaancta aagcnggctt ttgncgtgta ttttaatttt ttgaagttaa ataaaagtta	600
ctaattttgn aaaaaaaaaa aaaaaaaaaa ctcgagccct ttaaaactat agtgagtcnn	660
attaccgtan ncccagacat gaaaaaanac attgatgaat ttggacaaac cccactngaa	720
tgcnntgaaa aaaatgcctt ttttn	745

<210> 2195
 <211> 766
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(766)
 <223> n = A,T,C or G

<400> 2195

agnnnnnncg aggaaggatc tccttggtta ccaaanggcc tctccctttt ccccccttct	60
ggttggagga gggagaagtg ggaagtagct tgggaactgg tttgtccaca taaacttccc	120
cattgttccct tggcccgccc tcagggcaga gcccctgcc caggctgggt aagagatggg	180
cttgggtccag cagggaccct gagggaaaca acccttttcc tttctgggag agagtgcgcc	240
cccctacatc gtagttgaac aggggctagg agtccccac tccccctcct ctaacagcag	300
gctgtgtggg tttcaattcc cactctccc accccggcta ggtgtcgtcc accctgtatc	360
ctgtgtctga gtgtgtgtgg ggggtttctg tactaatttc catggccggt ggcttttcc	420
tccatgcac actccccccc gcatgcccag gggccaccgc cctggcatta cgcagtgctg	480
gggtcattgg gggagggggg tggggctcac gtgacctgtg gtcttganat ttttattttt	540
tgcatatgta atccattctg tacangtaac taactttgta aacgcttggt tattccctnt	600
tgcccccatg gcttgetggt gtaaaanaaa ctggcatctn cccgttttgt aaaaaaaaaa	660
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ntnnnnnnnn	720
nnccctccnn ccttttaaaa caatnngggg gccttttaac ccaaan	766

<210> 2196
 <211> 918
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(918)
 <223> n = A,T,C or G

<400> 2196

atnnnnntnc aaanncnntn nannnnnann nnnnnntnca nannnnnnna nnannnnnnn	60
---	----

tnnnnnnnnn	nntnnnttnn	nnnancnana	nngnatcnnn	nanannnnnn	nntncnnnnn	120
nccancncng	gngcngccgt	tttgaaatcc	ntatnccanc	tacttgggtt	ctttttgcag	180
gaacccatcc	gaatccgcct	nanataaaca	gtactctctc	tcaggattct	cttggaacat	240
tcaactcatt	agtgagtgg	cntccccagt	catttccatt	tttctttatt	tnggctctga	300
tagtttnactg	tttttgtnn	tcagagataa	tcctttacta	tactaaattc	tacgtgatta	360
tattttccac	ctctatttgc	ctatatatta	tctgtgact	tttccttttc	catatatggg	420
cttannnnan	tgnttccctc	ttcttctttt	tctacctttg	gtatnnaaaa	agtnacttag	480
ggactnnnnn	cactggctta	cgtgtgtaat	cccacnactt	tggcaggctg	aggcgggagg	540
atgcntganc	cccggngttc	aaggctgcan	ngagctaccg	antggagccc	ctgccactcc	600
agcctgggca	acaagaatga	gaccctggct	ggnnttnggg	gggaanaagt	tnatttcaca	660
acgtttttga	aaaanattct	ttngcccaan	ncatggntgg	cncacacctg	ttaatccag	720
ccacttttgg	ggaggcccga	aggccgnatg	gntcancttn	gaggccanaa	gntttnnnacc	780
anncntgggc	caaanaatgg	ngaaaaaccc	ccttntnttn	cttaaaaaaa	acaaaaaatt	840
agcccnngcn	tagtgnannc	caancctgn	aaaacccaaa	atanctgggg	gaaacctcca	900
ncctnggggg	ncaaaaann					918

<210> 2197

<211> 855

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(855)

<223> n = A,T,C or G

<400> 2197

ctatcctttc	anctcttggt	ctttttgcag	gatnnnatnn	nagcncagan	nnaaaagctg	60
tgcccttaat	gacagcaaag	ttaagcactt	cctttgtcct	agagacattt	attcattcta	120
aagaaaagcc	cacgatgctt	cagtggattg	aactgttgac	gaaacagttt	aataatagtc	180
aggcagcttg	tgagtgggtt	ttagatcgta	tggtgatga	cgactgggtg	ccaatgcana	240
tactaattaa	gtgcccta	caaattgtga	gacagatgtt	tcagcgtttg	tgtatccatg	300
tgattcagag	gctgagacct	gtgcatgctc	atctctattt	gcagccagga	atggaaaagat	360
gggtcagatg	atatggatac	ctcagtagaa	gatattgggtg	gtcgtcatgt	gtcactcgct	420
ttgtgagaac	cctgttatta	attatggaca	tggtgtaaaa	cctcacagta	aacatcttac	480
agagtatttt	gccttccttt	acgaatttgc	aaaaaatggg	tgaagaaaga	gagccaattt	540
tttctttcat	tgcnngetat	atctacnatg	gtancatttt	tacattgggg	aacccaaaagg	600
gaccctgaaa	atccttcaag	tttggaagtg	gttatcnnga	aggaagaang	ggggaaagaa	660
agaaagaagg	gnnggaagga	aagattatcc	ttcttntctg	ggcaggaaag	naaaaanaatt	720
ncagggccca	ccctgcccct	ttgaaaaagg	aatggaatag	cctntaagtt	ngctcctttt	780
tnggggtngn	aacaagtntc	tcggaatcaa	gaaaangggn	ggaaatngtt	tcccgaattt	840
ttnaaaaatg	tcttt					855

<210> 2198

<211> 787

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(787)

<223> n = A,T,C or G

<400> 2198

tatcctttga	actcttgtct	ttttgcanga	nnnnnnnnan	cgtnntcngn	ccgaggcttt	60
agctgttaga	aaggannttt	cgtgacatga	cacagacaca	cgtgaacn	cagcccgcgc	120

gtcctagcag	ccagctgtga	aagctgtgtc	aagtcacggg	ggttcccgtg	tgtctgtgtc	180
atggatgcaa	tgcgggccc	ggaggactgt	gcgtcaccg	tcaaccagag	cggtgcctccg	240
ggccagcttc	cctccaagga	atgagtggat	ttcatacagg	atctctttat	tgcacagact	300
gaatggcttt	acatgtttct	aatgtgaatt	aggcatgtga	agcagtgggt	gtccaccctg	360
gtccctcatg	ggtgagccct	ccagctgtga	gcccaggcag	tgtggtcacc	gagtgaggac	420
cctcctcacc	aggaaccgna	ttcctgtgct	gcctccacct	gagagttgct	agggggttct	480
tgtcgagatc	atgtcatcag	cacccttaag	tcaagtcacg	ggtttccata	gccaggcaag	540
ttggtatgta	caattcagtt	caancgtatg	aacttgatc	tctaactctga	tgtccatttn	600
tatatTTTTT	gaaactgagc	ccaatgaaat	cctttcttga	atcattttcc	tttnggataa	660
taaaaatatg	ggggaaaatg	ctatgatgaa	atztatgcaa	taaatgtata	cntgtgtgca	720
ccttcccccc	atcctgggga	aaaaaaaaa	aaaaaaaaa	tngccttta	aaacttttan	780
tgagncn						787

<210> 2199

<211> 1305

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1305)

<223> n = A,T,C or G

<400> 2199

nnnnnnnnnn	nnnagnnncn	gnnannannc	ngcgnngana	ncannaacnn	gaaaacgnnn	60
nnnnnangan	nnnananngn	cnnccganng	nnnnaaangn	nnngngnnng	ngnannggng	120
acnnancann	cggcgaanga	cnnacgnnnn	annagagngg	gggagnggga	ggngngngnn	180
ncannncng	anacnnngca	nangnacng	anannannaa	nncccannnn	cncagcngcg	240
ccccttntng	ggnaaaaaac	ccccnccnt	tnagggcnaa	accngggccc	cncnnttn	300
anggacnngg	ganaaccccc	caaaccgggn	angcncnng	gnccccgggg	gngggcggga	360
ganaaaaanac	caccngnggg	nnnnngntcn	aagnncaaac	cantcaant	ntnggcaagn	420
acccncccca	ntaggggnan	nanggaggnn	gtagnngnan	accaataaca	naaggggccc	480
tcnaccnnc	cnaagcccn	ggaanatan	gccaatgcng	tancannang	ggaatnncaa	540
ncgaggggaa	canaggagcc	gtggcnagan	ggagggngt	gccncgcagc	cgcnnnaccc	600
acggaangga	ngtnagcacn	gaaacncaa	aaaaancaa	gggggctnaa	angncanagg	660
cncnaatngc	nannnncccn	ccaancaa	tcntganaat	ganncggnac	canntccant	720
gnnagaggaa	aagaggngac	acataaagcc	cngcangaga	atgaagagnn	gctcaggggac	780
agntggnggn	cgaaaaanana	gggcgngtag	tctacagnag	ggntcanggg	aaaaggncac	840
acnnaaacn	atgggnaaaa	aaacngangc	cgnaagggn	ggcccanan	cttaaacggg	900
gnacnnntgn	nacacgggaa	ccggantgna	accaacctac	tcannaaacn	ancgcaangc	960
cngngggngg	ggnggtnaaa	caaannnganc	tacgnntgan	angggcccca	gnggggccc	1020
naaanannga	nagggggcat	cgatcagana	taaaacgncc	nggggggggn	tcnngncaga	1080
cnaaaanggg	ggaaaaaagt	aacaacncc	ccanatatata	ccctcatcaa	aaaaaaaaa	1140
nngngggcca	caggaaanacn	ccnccgcca	naaaaaaagg	acnacanagt	nntngcaaac	1200
acnagggggc	ncacnncggn	ggcncaaanc	ggagccatgg	ggngattatn	aaaaaanagg	1260
ggggnanaca	nnacacaaaa	naanccccn	nggggggacc	ngcgg		1305

<210> 2200

<211> 856

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(856)

<223> n = A,T,C or G

<400> 2200

```

ttatcctttc aactctngnc tttttgcang atcnnnnnnn nncnggctgn ncntgttaac      60
aacatgttgc atctgtacgc cagtatgctg tacgaacgcc ggatactent tntttgcagc      120
aaactcagca ctctgactgc ctgcatccac gggctctgcg cgatgctcta ccccatgtac      180
tggcagcacg tgtacatccc cgtgctgccg ccgcatctgc tggactactg ctgtgctccc      240
atgccttacc tcataggaat ccatttaagt ttaatggaga aagtcagaaa catggccctg      300
gatgatgtcg tgatcctgaa tgtggacacc aacaccctgg aaacccctt cgatgacctc      360
cagagcctcc caaacgacgt gatctcttcc ctgaagaaca ggctgaaaaa ggtctccaca      420
accactgggg atgggtgtggc cagagcggtc ctcaaggccc aggctgcttt cttcggtagc      480
taccgaaacg cttctgaaaa tcgagccgga aggagccgat cactttctgt gaggaagcct      540
ttcgtgtccc cactaccgct cccggaacca ttgaagcang tttcntgnca gaaacgccc      600
cacaagnttg caagnttntt cnaagccagn ttaattggat nggtccgaat tcagaatcct      660
tctcaaatth tccgggcgga aanggttttc aanntngatn gttttttgga aagaaaggg      720
aaatctaacc attgggnccg aaatancccc ntggcaagnn gaccaaact ggtaccatcc      780
agtgggcttt ttcaactgtc ccggaanaag gaaatcgga accaattttg gaatactggt      840
aaaanancca aaaccc

```

<210> 2201

<211> 781

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(781)

<223> n = A,T,C or G

<400> 2201

```

ngagttnnnn ncgaggagcc atgcgagcag ctngttcttt tggagaaaga actgtaacag      60
aactgatntt ncattaccag aaccctcagc agttgtntgc caatctatgg gccgctgtca      120
gggctcgagg atgccagttt ttagggccag ctatgcaaga agaggccttg aagctggtgt      180
tactggcatt agaagatggt tctgccctct caaggaaagn nctggtactt ttgtgtgtgc      240
ananactaga accaagattt cctcaggcat caaaaacaag tattggnat gttgtgcaac      300
tactgtatcn agcttcttgt tttaangnta ccanaagana tgaagactct tccctaatac      360
agctgaagga ggaatttcgg agttatgaag cattaacnan anaacatnat gcccaaantt      420
gttcatattg catggaagca ggactccngt attttnnnct tgaacagagg tccctttctt      480
ttgntgggtg atntggctcc ataaattaca acatgcngtc tatcaatnga ttanggtttg      540
tgnacattna gagatgcctg atgttctatc attgctgtnc ctttggaaat tntttncaat      600
tttttnaaag agttntnacn ccaaaccagg tgggagannn cctattnttt ttaaagcca      660
gnetnttata naattnacc ctnatttccc tctttaattn nccnctgca aaaannanna      720
nggatgccac ctcggggttn cctaatttan natcananan aaaanntanc tctnttccnn      780
n

```

<210> 2202

<211> 850

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(850)

<223> n = A,T,C or G

<400> 2202

```

nnagnnnnnn ggtgcctccc aatnccagc atgttttttn aacnngnttc cactanaana      60
aagacgggtt anttangcct tttcaagtaa nangtgcngt gaatggttct atgaatatgc      120

```

```

aggrnnggtat tcatttgtat catctnnnan tgatccttan nacaatnnng agttccttan 180
anangattaa agannntana aatgngtaca ttccaccntt ggggtgtngt gcgtgtgtgt 240
tcntgttnaga gggagagagg gacatngctg taaccaatcn ncagatagcc tattttatag 300
ccagcancctt aagccaaata atttcaganc actananggg aacttgaana natgaaatga 360
ctttgggaga aatacttttg gattgcttgg nnaacctnt ttggaatgcc tgantaatgg 420
gtgatcatnn nggtcaaagc acctgtgnta nnaatnngct nttgttgcn ttgaancccn 480
tnctcantgc agntgcaata ttctnnata tntcannnc ttttatttng gcaaanacca 540
cncngggaaa caaaantggt tgtttttncn cactttaaac aactggctcn ttnaaactna 600
cnttctnttc tctttttgcn nantttacnt ancaactggg ntttnggnnt taanaatant 660
cgncgccgcc cctgngggcc nnaactccgg tncntcgggtg gggctntccg gccnnggtag 720
taanaaaaaa aaancntctt ttccgcnccc ctccggttga ngncgctntt ctccgcncca 780
ctccctatt atcncatenc cnetcccttc tntctgncc tctngcgaac atnacccccc 840
ccccttngnn 850

```

```

<210> 2203
<211> 754
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(754)
<223> n = A,T,C or G

```

```

<400> 2203
atcccatnnn attcgaatnn nnnacgagga gctctctctg gaaagctcgc actggaatgg 60
agaacacaag caggaaatgt gaaaagtaac ggttgaaagc cttacttatg atgacacata 120
gggagggcagg tgcatactctt acaattctag acacttggtat accttgggaa accatattga 180
aagttaacctt gatttctntt ttttcttttt tttttttgag atggagtctc gctctgtcac 240
ccaggttgga gtgcagcagt gcgatctcgg ctcactgcaa gctccgcctc ccagcttcac 300
gccattctcc tgcctcacct cccgaagtag ctgggactac aggcgcctgc caccatgcct 360
ggctaattgg tttgtatitt ttttaataga nacagggttt tcaccgtgtt ggcccnngatt 420
tgggtctcgat ctccctgacct tgtgatcagc tacttgggac ctgagacang agaaatnctt 480
tgaacccaag angcggaaag ttcanggagc caagatcgcn ccnctggact ttanctggg 540
caacgagang aaaactcttc ttgaaaaaan aanaatncna cnaaaaancc ctccngcctn 600
tanaanttan tgagttntat tacctaaacc aaacntgnta aanaaacatt ggtnnngttt 660
ggnccaaccc caactttaat gccnggaaaa aatgcnttnt ttggaaaatt nngatgcttt 720
tgcttttttn naaccctttt taacnncaat aaan 754

```

```

<210> 2204
<211> 1412
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1412)
<223> n = A,T,C or G

```

```

<400> 2204
ggaggacnna nggngcnan nnaacacgg gnnnnannan gnaggcggng aanggacnng 60
nnngagggcg cagnncaagc gcangcgncn nanagaangn gnnggnacga gcnnancaga 120
gngagagggg ncgaggggan nngnagagcc gcngcanagn agaaaaancn nnngnngggc 180
cgtnnngggaa aacccccccn caaannaccg cgggnanang aaaggaagcc aaagagaanc 240
ccaaatcgan gagaggagga aaangcnggg gngngnaggg gcgagccctt gtgaaggcaa 300
gcaacgggca annnacaaca nanccanggc agacncntca ngngggggag gacacngaag 360

```

```

gngnngagng anccannaaa gnnngnaaggn gaggtgacag anggaanggg cncnngnan 420
ngnacaaana ggnagnangc anangnanag gcccnngngg gaacaanggn naaangaggg 480
gagcganaaaa aggggggggna anngnggaac aaangangan cngggangaa ccggangggc 540
gnaagggggc ggcaacggnc gcgnnnnanc gnggagggcga ncacgagaag gggaaagcnn 600
agngggcgta tggngacgn ccgangnnag ggcgaagccg ncaccangng cgaanacggn 660
nnnnnnnnag cggcagngng acaagaaaac tancncgagn gggggggcnc tcctagaatc 720
gaaanannna nnagcgnana aagacgagag gggggggggg accgnaana ggggacgaag 780
anccacgatn tngggggggg ncagaatanc cngcgccgt annncgcga gagnaaaang 840
agnggggngt cacagatggg gngctgcngg gganaaaaag ngaananaga gggggancac 900
aagnggggan angacacagc nggngnagag gagnnggggg agnaaaaaa angcgggacg 960
gannanangg gggncnagag ccgccttg ccacaaaann acncgtagct ctccgcccc 1020
ggggggcnc gcattgtcann acnntggng gggggacncc cnnngatgg ggggacacat 1080
ctgggaaaaa aagangggnc anacntnccc ncagaaaagc accancnctg ngggancaga 1140
ngganantgg gggagggggg cgcangaana nanggnaaan cccnttcgga ancgngana 1200
cananaana anantnggcc ncngggcna gggaaanggg nccnaaaatc cgaaaaaccg 1260
acaggaanga cgatnngcaa aagaccganc ncaannctga ngtggggggg aaaaaagcgg 1320
gannncacca accaagnnaa naaangcttn nnaggggnt ngganggacn anncangtgg 1380
nangancccg gtcagacggg gnaaananan nn 1412

```

<210> 2205
 <211> 784
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(784)
 <223> n = A,T,C or G

```

<400> 2205
ttatcctttn aagctcttgt tctttttgca ggatnnnnnn nnaggggtaa nnnctcagg 60
ctccaccata ccaggtctct taccttagca gaagcctgtg aagctggtag cagaaacgag 120
aaggaacaaa attactcca aggcagtaag ccaccacaa gaccactaca cgaagttaag 180
gctgtgtgaa agaggagcn tatttaattt tattgttaa gaggcaataa aatatctaga 240
gaaacagcca ttaaaaaatt ggcaaatcca gcctggccaa catagtgaac cccatctct 300
acaacaatac aaaaattagc tgggtgtggg ggcgcagcc ttagtcccc agcttctcag 360
gggactgagg cggggggatt gcttgagcct gggangtcgg aggttcagt gagccatgat 420
tgtgccactg tactccagcc tgagcaataa gagcgagacc cttgcctcta aaaatacatt 480
aattaattta aaaattangc naaagatgtg aacagatact ttttccaaag aaaggatat 540
gggaccaggc acggtggctc atgcctgcat tctgggaggc ttgagatggc ggatacctga 600
gatcnggagt tgacaccccc tacccgacat ggtgaaaccc cattttactt aaaatacaca 660
cncncccccc caaatttctg ggcattgtggc aagnccccct tagccccact ncntnaggag 720
cttgangcnn ggnaaatntc tgnaaccnng gagncgcagg tgtnggnanc cnnaccnccn 780
cttn 784

```

<210> 2206
 <211> 779
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(779)
 <223> n = A,T,C or G

<400> 2206

```

aanaccttga accccgnnnt tnnnnannnn nnnnccnaan ncgtcaatga caagagcagg      60
aagagcggtt ttgtgaaggt gattgacgtg actgtgccct tgcagtgcct ggtgaaggac      120
tegaagntca tcctcacgga ggcctccaag gctgggctgc ctggctttta tgaccctgtg      180
gtgggggaag agaagaacct gaaagtgttc tatcagttcc ggggcgtcct gcatacagat      240
atggtgctgg acagtgaggc cctccggata ccaaagcagt cccacaggat cgatacagat      300
ggataaactg ccaagaacca gattttttaa aggcccgcaa aaaatctttt cctgggagtc      360
tacaaatttg gaaatgaaaa aaccagaca tcagatgttt ttattttata ttattattat      420
agaaggtggt accattatca attatgtgaa gggacatgca gacacccag cttttgaggg      480
tgctgggggt aggactgagg cagccccact ggggaaccaga ctgcagcctg cccatggctg      540
ttttcccaag gatcaagttc ctgganggaa aggtctcttg cctgacttc cgttgtgtcc      600
cgagcacacg tgcttgacct gnancccgcc cgnccgttaa ttcttggtg ggtctggaag      660
tgtctgtgga gcaccctgnc ctcaccacag gancegtgaa ccnctnttn cagtcccgct      720
gaacatggga aacaacctga aaaagnagca gccctccgt cagggaccct ttntttgcn      779

```

<210> 2207

<211> 817

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(817)

<223> n = A,T,C or G

<400> 2207

```

ctanccttna annnnnnnnn tttnnngacc nnnnnncgng gnnngcccaa catttcagat      60
tttccaaaat gtnggttagg aagtctccat tgtctctgca ttatnaaaat acactgttac      120
tatcttaatc tcaagagtgt cattacagtg agaatctcat ttaaaagcat accagtgaag      180
ttaatagcag tgcttatcaa agaacactga aatctgtgag aatctttcta ggagcattct      240
tttcttcttt tagttccaag ttccagggtg ttttccattc ctagtaggtt tatatgactc      300
acagaatgtg gacttttttc ctgtttggag tatttttgta atgtaagtat cggatagctg      360
caccacagca tgcataaatt gcacattttg ttttactttc tttatagaat atttaatttc      420
aaaaatataa tttatgcaa aaaaagcata cctttcaatt ttgctacttg gttgatttan      480
cacaaaatgc aaagtcttgg ggcagagagg gggagtgaag aaaattttat aggtaattgt      540
tcaaaaatac cctgtcagaa accctaaagc tgcattgtna aacanatggt ngtnaactag      600
tttttgaaaa agtggtngang gaattngtga aaaaaatctt nagacttaat ggctctctaa      660
ccacatgan gtttcttct tttttaattt aagtaaatac cgctgcttc cataatttgg      720
ganggttttt ngnggttttg taaggctact tggaacaana cattggaaaa cctggattta      780
taatttggga taaactggna nccataaaaa aagaagan      817

```

<210> 2208

<211> 991

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(991)

<223> n = A,T,C or G

<400> 2208

```

geganagaga acntcttttg gcaaaactcc cctgggctct ttttttgggc aggggaatcc      60
ccaccccgaa ttccgnaaat ntccgggcca ccgnagcccc aaagaacct nccancgggg      120
ccctngngn ttttttttaa aancccccen cnaaaangtg ggancangng gaaaanggaa      180
ggggaaaggg ggggggacgt ttccccaag agagtnact cnnccctnnt tggggggang      240
ggggnggcca attgggccct ccanggaat ttcnttggga aaaggtggng ggaaggggaa      300

```

```

gnngccangg gggnttant atnaatccct aatcccaggg naagggggga ngcctcttct 360
tacaccaaac ctcatctctc ccctcaanga cctaattgga caatataang gaaaccncct 420
gaagggaaga agccnnactg aaaggaggga aaccagcnnn nnnncggggg nattgggttt 480
tgnggggatg ntggccgaca cctaatacgga aanggnccct gccnaaaata nttggacctt 540
ctaattgaat nggactnggg gggaaaacca cgganccttc aaatttangt ccgcttgnaa 600
gnacagnatg gaatgaactg gntacaataa aaaccctcgn angcctngca ttttnaaata 660
agggaattng gncccaaaaa agaaaatctt gggaatnngg gcccnaaat ttttcngggg 720
ggggggaaaa atttcaagaa cttggnaaat tgggggcca gnttggancc gaaaccccg 780
aaaaggnggg ccaanggaag tttggaagtt accccgaanc ccccgcttt acccctggcc 840
ctttgccatt ggggggggtcc agggaatatt gngaacctc ccaangggac catcgtcaaa 900
gtgggcttgg ccaannccna ccctccgggg gaagggtnaa agaaccctat caaggggngg 960
naanaanggt aaaacatggg gccatctggg n 991

```

```

<210> 2209
<211> 941
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(941)
<223> n = A,T,C or G

```

```

<400> 2209
nnngttnnna gangtatagt gtaagtatga agaacatnnt gcaactgtac aggtagtcac 60
cagtttatngt gatatgataa ataatngggc tattttgatg aagaaaactt tgttcatttg 120
tttctacttt ctaagagaaa ttgccacgat tcctctgctt ttcaacattt cntatgactt 180
ttttttcggg tgggaataaa aagctgtgaa attgtcaacc tactttgtaa ccaaagaagc 240
aaagctgtgt aatggagttn ggtttttttt ngngtntttt tttttcgccn tttttntttt 300
tataatgcnc attcttnatg tatccntat ttangcgttn tttcagcnnn aattttcttt 360
actgtctagc atgatctgca tnaccnatan cnttgaacca cttttgttnc ctcatntttt 420
tattccacc accctttatc tgnaantaat ngtcctancn cttggggaac aacatgtncn 480
aattaaaaan gaagnaaccg aancaaggcc tgntntnggn gggganccnt ganncntant 540
cggtnccan tnncaacnta nactctgnta taaaaaaaaa aaaaaaaa naaagcgng 600
agccnnnct ttntcgnngn tnccattttt aaaaaanang ggggggtttt tctggaaatt 660
tatccntcnn ngccnacaaa aaaaaacgnt tnttngnttc natatttggg canaaaatcn 720
tttaaatg cgcnnttttn aaaaaaaa anggccaaac tattgccaan aaattaaaaa 780
gtccncccaa gtgggtntn accttgggag cttntttttt aaaaantttt naaaaaatgn 840
ggnacattt ttttataata naaaancnc agctntttca aaaaaaaa aaaacgncnt 900
tcnattttt tngggggcn ttaancctaa aaaaancatt t 941

```

```

<210> 2210
<211> 786
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(786)
<223> n = A,T,C or G

```

```

<400> 2210
cnattnnnna cgaggagcag ctggcccgc cttctgnttc tgaagccac ttccctggag 60
ctcttccgan ccaagtgaa tgcgtcact tatggggagg tgctgcggct gcggcagact 120
gaacggctgc accaggagg cactctgct cccctatac tggagctgcg ggagaagctg 180
aagccagagc tcatgggct gatccgcagc agcgttgct ccgctctgtg aggggacgct 240

```

```

cttccgcaag atcagcagcc ggcggcgcca ggataagctg tggttctgct gcctgtcccc 300
caaccacaag ctgctgcagt acggagacat ggaggagggc gccagcccgc ctacctgga 360
gagttctgccc gagcaactcc ctgtggccga catgagggca ctccctgacag gcaaggactg 420
ccccatgtcc gggagaaggc ctccgggaag cagaacaagg acctctatga atttggcctt 480
cttaatcact atnancctg gggaggaagg aagcgtacct tnaactttca tttgccccct 540
tcaaagcggg aattcntacc ttgttngaca ngantgggct tcaatggcct ttgcttnggg 600
cagtccccat tggggcangc gaagcaaaac nccggcttg accttggag caaccttgct 660
tgancattgg aagaaccaag ctctcttct gcttgganct tngaanaacc ttgcccatte 720
cccgaanngg gcacccccct tgtgcccccc acccccac aaantttaan cttttgnttt 780
tgacnn
786

```

```

<210> 2211
<211> 766
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(766)
<223> n = A,T,C or G

```

```

<400> 2211
gcngnannnn caaacagacc ttctgtttca tgaacagntn ntgttatatc tgctaaccce 60
tatctaggnt tncctccaac ggctatgccc accccancgg gacggcactt cattatgacg 120
atgtcccgtg catcaacggc tcgtgggaac cggaagacgg ctttctgct tcctgcagca 180
gaggcttggg agaagagggtg ctttatgata acgcaggcct gtacgataac ttgccgcctc 240
cgcacatctt tgcccgtctac tctctgctg acagaaaggc ctctaggctg tctgctgaca 300
agctgtcctc taaccattac aaataccctg cctccgctca gtctgtcact aatacctctt 360
ctgtggggag ggcgtctttc gggtcaact cgcaggtagc gcatcttctt ctgtaagatt 420
ctagaaccac cttcaagtca cattgctcca acagagtttt tgcaacttgt agtaaattggg 480
acncatcaaa ggcaaagcat aatgtgtttt tttttctca actagaatat aatttgcngc 540
cttgactacc caanggaact ggntgaagat atttctaacc aagctcatgg gttaatctga 600
nccactgngg tttcctttgc ccaccatttg ggctctcttt cttgggtcttg ggaaaattcc 660
cagtgnaaat tttgttgaat tattgtccaa cctaaaggca gaaaaagtta aaaaagaac 720
nggtnatnaa aactttccnc aaaattcttt gaaaaaaaaa aaaaan 766

```

```

<210> 2212
<211> 1410
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(1410)
<223> n = A,T,C or G

```

```

<400> 2212
ganacnncnn angnnaccn tnngannnn nnntncnacc gcatcnagna nangntgtng 60
nnagangggc agggggnggt aggnctgca gnancnncnc ccccgcggcg tnggaaaccn 120
ttncacaaca caagggnnta taganaagan ccnctagngt accccgcnag ngnaggggcn 180
gnananntag gggagggcnn ggcngnctnn nccnnaacgn ngntngaaa tccnaacctg 240
gngaaacngg agggaantga tgcagaaaaa ngnacgatan nnnccgggacg cnanccgggg 300
cnannaacc gaaaaaatc agccccnang ggaaangagg gncnnnanga tnatgaaagg 360
gaaangggaa aggnggaaag gaanaatngg gnnaaaaang gctggggcan gnacgacaat 420
nagnanatcg nggaaanng ccaaccngg tngccannc ctgncnaa gaagcagnca 480
gnaacggann ggcgatntc cggngggngn ngagangnnc tcnaacgann agaataangg 540

```

nagngggnggc	angnaaggtn	tgtgngnacn	catgcagata	tcgatataca	ganggagcgt	600
gancnncaac	acaagaganc	ncgaaaaana	nacnagagnc	gngnngnnta	aacgaggngn	660
nnnacgatna	cacgnatatg	nngacannng	gtncnncat	ganacannct	atgaaagacn	720
gacgatanga	angcgaacgg	ggtnccanggc	gcgcgggtaca	tgcnnnnan	nnagcncngg	780
gngcgantca	ccaantctga	tgcataacnn	tnngggccac	agnggncat	gtntanagta	840
acncacacac	agngngngcn	cnntanccac	gaagagccgt	annctcngg	agaanagggg	900
aanattacan	gacatatcng	anctgtacga	gganacnctg	annatcngag	agatgangct	960
ntgtggggag	aanccgtntg	accccgaagg	tnngggaacg	acaccacaca	aaacgaggaa	1020
antcagtng	ggacangcgc	ctnnantana	anacgaaaan	tnnnaaacga	aaagaanaa	1080
gngcnnnann	tgggnnnntc	atncnganaa	ganaaaagang	cnantacaga	gangtncnnn	1140
ngatgccnc	agtnaagnan	actggcgnc	angggacaan	acaaagtaan	nnntgggaan	1200
aangncgcag	ctnnnnnaan	gaaatngnna	tcnnaatann	gganacntct	naagancgac	1260
nggggatncg	aaacagnacn	ngannaagnc	cngaaancna	nntngantgg	ngcanncgaa	1320
nnnggggnc	nacgcgngcg	gatnacgaac	aacaannacg	aanangnagc	gtgggcgna	1380
nggcaaaaac	cngnnagann	agnctcgtac				1410

<210> 2213

<211> 1170

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1170)

<223> n = A,T,C or G

<400> 2213

caggngggng	aggagnnnan	angnnnnna	gngncgaggg	ggnaccacng	nggaaagggg	60
nnagagannn	acgcgcgcaa	canncagctt	ttttttntga	nanngnnngg	ngcgnaanaa	120
ccnaccnaga	gggaangaaa	agnncgcggg	ggggggnnat	aaanccntgc	gaggggaaac	180
gngngcaacn	ncnnaangga	naanaaattt	tgaggnaaaa	aaggagacgn	cnannngnga	240
ancnncncgn	ggagatnata	gnccccnnc	nncaaagnag	gantngannn	ncnngaggcg	300
ggagacnnc	nncggagacc	nnnaagcnag	gcgaannaan	ancnngancc	ccnccgnnccg	360
gcncacnnc	cnncccccn	ngaancnana	ancaanncgn	cngnccccga	agcggncncn	420
ncacgaganc	ngaccncatn	gnccccagc	ccnncnncn	anagcgnca	cancnnncgn	480
ancacnccna	nnnggcnana	ntnanncngn	naggncncaa	acacgccacc	cnccccacgc	540
nanangcaan	ngcncacaaa	aacggcncnn	caccncccga	ncggtntcga	cnaganccan	600
ncngccaagn	nancacgnng	aagncnnaan	cnngnncgan	aacngcagag	acgaggaacg	660
agccacnccg	gnganagacn	gaccncgng	aacgangnan	agcggccgng	ncagaccacg	720
nanacgngcn	nnacgcanaa	gagttnnacgc	agacacgnnn	acncggnnnc	ggggggcacg	780
ngagaggcac	cncanattgg	cngangacnc	acgngcanna	cgcnggcgan	acgnnccccn	840
ccgtgngagg	nncccnagnn	acccgagtn	acccccgcg	ngcaccacac	gggagcaccg	900
ccgcaanngn	annaancnac	gagnnnggag	ncaaaggang	ngcccgcgcn	tnnntgacnc	960
ncgncncgcn	gncacggnc	cnaactnngn	cgagaggatn	tatgcaccgn	anganccnac	1020
cccgcncgcn	atgncnngcn	ccacacnncn	nggagagcga	cacacgncng	agngngagcc	1080
cnccccagcg	anggacncnc	nnagagngag	ccccncacgn	ctnggaagca	gcacancaag	1140
gggggggagcc	cngagggggn	gntacacnng				1170

<210> 2214

<211> 753

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (753)

<223> n = A,T,C or G

<400> 2214

tcaattnnnn	cgaggtcctc	caagacctga	ttcagcnttt	cacacgggtg	tgccactggg	60
cccaggggtn	nccggcccca	tctctcagg	gcagtgggtg	gggaagactc	accactaccc	120
ctaaaatggg	aagagaccag	ggttccaaag	tgacccccag	tgggggcttc	acacgccagg	180
gagtacatga	gatgatttct	gtggtcctcg	atacacagct	tttcattttg	agagacacaa	240
ttatttgagt	atctagtaat	tcaagcctgg	gattcaaaga	tatcatttaa	gatgaaactg	300
aatattttct	ttctgggtta	gatgaattaa	tgagggacgg	gtgcagtggc	tcacacctgt	360
attcccagca	ctttgggagg	ccgaggcagg	aagattgctt	tgagcttaag	agtttgagac	420
tagcctgggc	cacatggcaa	aacaaaaaat	acaaaaatta	gctggcgtgg	tcgtgcgcgc	480
ctgtngtccc	cacttattcn	ggaggcttgt	antgggagaa	ttgctggaga	ctgaaaaatc	540
caagcttgca	agtgaacttg	tngtcacgcc	actgcactnc	agtatgggtg	acaganccga	600
gacccttgct	tnaaaaaaa	aaaaaacctn	tttatgttta	ttttgtnaca	aaacatgact	660
ttgagccctg	ttcaggcntc	aaccttaaat	taagtaaaaa	acnaattttt	taaaaatttt	720
aaaaaaaaaa	aaaaaaactc	ganctntaaa	ctn			753

<210> 2215

<211> 806

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (806)

<223> n = A,T,C or G

<400> 2215

ccgagtcnnn	ncgagccaag	acctccacgg	ccttgtnntt	agaaatctcc	acaaagtgac	60
agtgaatgat	ngagggggag	ttctcagagt	cattacagct	ggggaggggtg	cattgcctca	120
tgaattcttg	gaaggtgtgg	agggagttgc	aggtgggttt	atatatacta	ttcaggaagg	180
tgatgctctc	ttacacaacc	ttcattctcg	ccctcaaaga	cttattgatc	atataaggaa	240
tctccatgag	gaagatgcct	tactgaagga	ggaaagcanc	atctatgatg	atattgtttt	300
tgtggatggt	gtcgacactt	atcgtaatgt	tcctgcaaaa	ttattgaact	tctatagatg	360
gactgtggaa	acaacgagct	tcaattttgt	gctgaagaca	gatgatgact	gttacataga	420
cctcgaagct	gtatttaata	ggattgtcca	aaagaatctg	gatgggccta	atttttgggtg	480
gggaaaattc	agactgaatt	nggcagttga	ccgaaccgga	aagtggcagg	agttcgnagt	540
acccgacccc	cgcttaccct	gccctttgcc	tgtnngtcna	ggatatgtna	tcctccaang	600
gncatcntcc	aagttggctg	gccaagccaa	acntcngggg	gaggtttaaa	aanacntat	660
ccacgggtcg	naanaatggt	aancantggg	gcccntcttt	gnattggcct	cgcccttaan	720
gaacccttaa	caagantacc	cnancgncaa	ggtcttgtng	gcttgnggtt	gaaaaaacna	780
ccctgttnaa	nancagngca	attgcn				806

<210> 2216

<211> 789

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (789)

<223> n = A,T,C or G

<400> 2216

tnatnctttc	nnctctngtc	ttnttgcaag	annnnntnnn	ntcgaattcn	nnncgagatt	60
gcctcccagc	ttgggagcat	ccaaagtaga	accatgactg	ggtcatgaaa	tggtttaatt	120


```

tggtttcttt cattacaggg caaagttctc cctgtggact gagaaataaa catattataa 180
aagttacata tgctcataga atagaatca aagagtaaaa agtattgagt gtaaaaaaca 240
agtgtctttt ttccccccag tctaactccc cagaagtaac cttttttatt ttttatgtta 300
ttttttctta ctttcaagga aggagaaaag taaccatttt tgagttgatg cgtatccttc 360
gcctgagagc tatctttgta atcatccttt ttgggttcctt ttccattttt tgctttcttt 420
ctgtcgtagc tgctgtgtaa tatagagaaa aaaaagtatt ttttcagctc tctcactcaa 480
ttacaattac acagaaaggt ttctgtgaca cattttgtggg agtttctccc cacacagcaa 540
acaggcagtc aattctggag agaggtcacc angtggtgtg cctctaacc aattcaattn 600
caacattgtg gtactcggag atagtgtcag atcccacang ttganggctc tgcccacaag 660
actggccccc aacttgcca ccaattgcag ctccaagctg gtttacctgg gcnttttggg 720
ccaaccgata taaatggggg tccccacccc ttcnttnggt caaatnaatt gccggaaccg 780
gctcacaaa 789

```

<210> 2217

<211> 881

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(881)

<223> n = A,T,C or G

<400> 2217

```

gncntttgaa nccctttcaa ctacttggtc tttttgcagg atcccatcga ttccgnntta 60
tggnacgcgn tgctctttcg cagntncncn tgntnattcc actcattggt ganacggatt 120
ccccaanacat tancattant ctctatttgg ctctgatact aanctggntn tgttgntnag 180
agataatcct nnactatact aaattctacg tgattatata ttccacctct anttctata 240
tttatgngct gananttctt tatccatata tgggctnatt ttttttttcc ctctncttct 300
tttctacctt tggggnttta aaaagttact taaggactnn nncnctntc ttacgatgtg 360
aatnccagnt cttttggcaa ggcntgaggn agngagggga tatgcnnгаа ccnctgtnt 420
ttcaaagggc ttgcncttna cgcttatnga cgggttgccc cccttgaaaa aanncccaaa 480
atnttggggc caaggaaaaa atggangaac cccctgacct nggggantnt tnggggggga 540
agaaaanttt tnttttncca aatggttnt gggnanaatt attccctatt tggcccccaa 600
gacaatnggn ggggcttcac canccnnggc ttagcccca agccccctcn tgtgcccngn 660
ccccnnggc tgggntngc aatcnaccta tnnnggncca accaatntn tanggacccc 720
tcncttgggn caaccaattg gcnaaaaacc ccnatntnc ttatccttaa aaaatttcca 780
aaaagggttg ccccgggga atnattgat annctntcc ccgntnaana acnccaactt 840
ncttgggtga aacnctncca anaccgggn nanaaaaaac a 881

```

<210> 2218

<211> 794

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(794)

<223> n = A,T,C or G

<400> 2218

```

ngagnannnn aaagctgtgt ccttaatgac agcaaanttt tagcacttcc tttgtcctag 60
agacatnnat tcattctaaa gaaaagccca cgatgcttca gtggattgaa ctggtgacga 120
aacagtttaa taatagtcag gcagcttggt agtgggtttt agatcgtatg gctgatgacg 180
actggtggcc aatgcagatn ctaattaant gccctaata aatcgtgaga canatgttcc 240
agcgtttgng tatccatgtg attcagaggc tgagacctgt gcatgcttat ctctatttgc 300

```

```

agccaggaat gnaanatggg tcagatgatt ggataccnca ntagaanata ttggcggnen 360
ttcatgtgtc actcgctttg cgagancctt gtancaatta tggaaccatg gcgtaaaacc 420
tcacagtcaa catcttnaca nagtattttc gccttccttt acnaantttg caaaaanggg 480
gtnaaagaag agagccaant ttttgctcnc attgcaagct atatctacaa tggcacattt 540
tnacatgggg aacaaaaagg gccctggaaa atcctcaagn tgaantgtta tcntgaggaa 600
gaaagngan caaananaga aggangaac aaagaatttt ctcttcncct gggcaganca 660
aaaaattacn tggccnancn tgnnccttgg taaaaganga ataangttct ncctnggctn 720
ctttccgntt tgaaccaccc tcgnatccag aaaanggccn aaatgttttc cnannctcca 780
aantgtctca nacg 794

```

<210> 2219

<211> 750

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (750)

<223> n = A,T,C or G

<400> 2219

```

cctcaccocg aanntcntnt atnggcccat natatccttn antntccna ctccaatate 60
caaanncctg tcaaggatca catactacat ttggttcttt attatagact ttttaaatat 120
cgtngtatac catngtgatt ctatccgtct cctttaataa agaggagaac cagaaaaatg 180
aaaggncata agaggaatga gggttgagaa ataggtgaaa aaaggcatca taatgtttat 240
aataatgttt gcctgttcag agaaacaaga atcacagata aagtcactta tatgtagatn 300
agagaatgct gnattacttt ttgctattct attcactgat catttttcta agaactctgt 360
ntgcttcttg ttttaactct atgtcagcat gtatgagaaa actganttaa anagatgtta 420
agtaactcat tcctgtctta ctagaaattg gttcagatgag ggacataaac ctagcccgtt 480
gtgattttag atgctttttt taaccatttg ngtngnattg gcctatatatt ctaagctnat 540
tcatgggtcnc tgagaagcaa atcatngttc tacctatgac tttagaaaag tnanaataaa 600
gatgttgggc aanaanaccc tttttatttn ggggttcntt ttngaaggag cagantaact 660
ttggttccctn gcattccctt ggggtanctn gnggcggggc gtcctntttt aaatccntca 720
aaaangaaac tggtaaccc cttcaanccc 750

```

<210> 2220

<211> 757

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (757)

<223> n = A,T,C or G

<400> 2220

```

ccccnnncna atcgcnaag gttggaacaa accntgttca ctggagaggc ctgtgcagta 60
gagtgtagac cctttcatgt actgtactgt acacctgata ctgtaaacat actgtaataa 120
taatgtctca catggaaaca gaaaacgctg ggtcagcagc aagctgtagt ttttaaaaat 180
gttttttagt aaacgttgag gagaaaaaaa aaaggctttt ccccaaaagt atcatgtgtg 240
aacctacaac accctgacct ctttctctcc tccttgattg tatgaataac cctganatca 300
cctnttaaaa ctggttttaa ccttttagctg cagcggctac gctgccacgt gtgtatata 360
atgacgttgt acattgcaca tacccttgga tccccacagt ttggtcctcc tcccagctac 420
ccctttatag tatgacgagt taacaagttg gtgacctgcc aaagcgagac acagctatnt 480
aatctcttgc canatatcgc ccctcttggg gcgatgctgt acaggtctnt gtaaaaagtc 540
cttgctgtcn naagcagccc natcaactta tagtttattt tttttctggg tttttggtt 600

```

```

ngtttttggtt ttctttttcta aancgagggg gggaaaaaag ttcttanggt tcaaattgga      660
aagttntnga tgaaanaaaa cccattggag aatttttttc caggggaaaa aaancctggc      720
atattttggg ttttcnnnca aatgngannc cttaaan      757

```

```

<210> 2221
<211> 847
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(847)
<223> n = A,T,C or G

```

```

<400> 2221
tttaanccct ttnaactnct ngnncttttt gcangatccn tnnnnccgat nnnnnnnnca      60
gtacgacccat gaaatcacag ggctttttggg tgtctgtagg tcttctcctg gtgaaaagtg      120
ttcaggtgga aacttggaana ctccctgggac gtgaaactgg gagccttagg tgggaataacc      180
caggaagtca ccctgcagcc aggcgaatac atcacaaaag tctttgtcgc cttccaagct      240
ttcctccggg gtatgggtcat gtacaccagc aaggaccgct atttctattt tgggaagctt      300
gatggccaga tctcctctgc ctaccccagc caagaggggc aggtgctggg gggcatctat      360
ggccagtatc aactccttgg catcaagagc attggctttg aatggaatta tccactagag      420
gagccgacca ctgagccacc agttaatctc acatactcaa gcaaaactcac ccgtgggtcg      480
ctaggggtggg gtatggggcc catccgagct gaggccatct gtgtgggtggg ggtgatggg      540
actggactaa ctgagtcctg acgcttaatc tgaatccacc aataaataaa gcttctgcaa      600
gaaaaaaaaa aaaaaaaaaa actcgaacct tntacaacta tagtgaagtc ctatttacct      660
tanatcccag ancattgaat aaagaatata ttgnttnaac tttngggacc aaacccnca      720
accttanaaa tgccatggaa aaaaaaatgc ctttattttg ntgaaaaatt tngcganngc      780
ctttttgntt ttnatttggg aaccatttn taaacctgna aataaaaaaca aggttaaaca      840
acnaacn      847

```

```

<210> 2222
<211> 803
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(803)
<223> n = A,T,C or G

```

```

<400> 2222
ccnccgnatcg attcggcacg agatnangtc acaaattnat gatattgncc tgggngannn      60
tntactttgt ntcccnaaga cncataagct nctacaagac tttttnaatg gnnnanaant      120
gantnatagc ntcnnccctga tgaatctgtt gcttatgggt cagatggnga ngcngncatc      180
tngtctgnag acaannttgn nantgntnaa aannngctga tcttgntgn nantcctctn      240
tcncttgntn ttgaaantgn tggngggantc attantgcct cannnngcgt nataccaaca      300
ttcctancaa tgcccacaca gacnntcact acctattctg acaaccagnc tngcgtgctt      360
attcaggttt atgaaagnga acgtcccnt gacaaaanat aacaatctgn ttgncatctn      420
tcaaactcca caggcntaac tgccnnccgc cccaangtgg ttcnctcagg attgtnagtc      480
ccctttttga cgtntggaag ccnccngggg gtnccctnca agngccctcg ggctnggggg      540
gaacaaaaaa ttttccngng aacaaaaaag naccaaagga tttccaatt cacnttaaaa      600
gaanaaaaag ggcgctttn nnnccaangg gaaaaacctt ttntgaccgt aatttgcccc      660
gangaaacnt tgaaaaacct tnanagcctt annnatggnt naaccggng ggaacnnggg      720
gggtaatgcn aanaatttan tttgaancnn ttttgacctt ttgaccggga aaaancnctn      780
ttnggagaaa tnnngnaaacc tnn      803

```

<210> 2223
 <211> 1001
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(1001)
 <223> n = A,T,C or G

<400> 2223
 aaanaaaagtt gttcgantta acganatann tgtngncagt gtntgttggc cgattaatat 60
 ncatnattga nagnntgcat tgtacnntgt gttntcatat gancattnta ttatgtaacg 120
 ctgtngtngt gatcncatct tatatatana tcantttata gaaggggggg ggggagcnat 180
 gaatatacng tagagntgac ggtnacatat tgtatgatnt antnncatta nagnagnat 240
 nanattnttn tatattgtan ncangataag gtntcataaa tatagttttag tnacgnactc 300
 tattncngaa tttnaantnt nnttactgng ttangtannt gaactcaaac gtccnaataa 360
 tttattnaat tnggtcanna cnnannatna gggtaatgnc tatttgaann tcaaacantc 420
 ctaaangggg ggcgngantg ngngntntaa cnangncngn tttnagaatt tatngcatnn 480
 antnanttan naattngtta tgnctttana tnnantaaat ggncaganan ttccnnatan 540
 aantggtttn naannnncnc ngncatctnc nttaannan nmanancnt actatnttan 600
 natncttttn anggtaacnn tanacnnnaa nagnanangt ttgnganntt annacatctg 660
 ntngggaaaa tatgcgtatn nannccatgn gantntctna gcncnnatna tatannannn 720
 angatnanta tgggggtgcn tatatncncn tganttnna tanactatnt nttgtgtcnn 780
 gctcngaggt gacaannata tntncatntc tcanacnaaa gtatnttggn acacncntca 840
 ttgtntaagn tccaacacng gagagagnag ganagnagat tttctatant anaaatactn 900
 cacatnttat anagtngngg gaggtgtgtt ttattttnt gtgngagaaa aannaatcat 960
 tntctatgcc ataatgannt ctntntggga gannaaagag t 1001

<210> 2224
 <211> 743
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(743)
 <223> n = A,T,C or G

<400> 2224
 taccncngnt cgaattcggc acgaggttac tcagactata tttgcttaat tgaattaaac 60
 acagttgcct atgcccttgg aaattctgga ctttcaacag agggcctcta gcccaatatt 120
 tgcttaccac actggacatc attgatgac tggattcagg caggggtctgg aaaaagagag 180
 actgggccaa attaaaataa tccattcact gatgacaaa aactaaacta caattgtttg 240
 gcaccctctc ttctccttat cttgcaaaat caaattaaag actagtggaa agaaacagtt 300
 cagagaggaa tatgggaaag ggaaaaaaa ccaaaatgtg atttccaacy agactagaga 360
 tttgttcttt atctacatgg tcatgttact catttgatag catctatctc aggggtatta 420
 tgttatctct tggccaggac ttatgaaagt taanatttgc attgatagga aaagttttgc 480
 agaaatatgg actcttgaga ggggtggagg tatataaaa cagcanagca atttgcattt 540
 cttatacacc ctgcttgaga ctgatgtcat tagtggttgg tagggccaa gcttgggggg 600
 angctactca naatagtngg gtgacccaat taccanac cttttgaaa aaggaaatga 660
 ctttgattgg aanaagccca ttcctttnaa atgnatctta ctgctcaa tccccccatt 720
 ggccttttgg aaaaaatgcc ccc 743

<210> 2225
 <211> 1411

<212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(1411)
 <223> n = A,T,C or G

<400> 2225
 annnnnnctg cnncccntnt tgantnngac tangataatn ntaaaanggn naccnnacgc 60
 tntctattatt taatannacg aacnecgncc nggaacnctaa tgatataactn nnttctntgt 120
 anntgaaaan gacatgtatn tccncnangg anngtgggtg aagtgtctccc ccccnctctt 180
 tgnatatnct cnnangactt aatntataag tnatatgnac actcncnca ntnttttaaat 240
 gnanagtntg ngggggngng gantattgtt tatacaaacg ccnnanctgt cnetcnannc 300
 nataacgtn cnantatnna tncnacnctgt ntatnttttc cncncatgta agntnatatc 360
 attnncgtg cantnnanac atnctctnccn ctgtttcaac tnnctctncc ntanccgnnt 420
 ttagnnnntnt gtntntgtga ncnacnngn nctatatanaa ttntnccca ccacnnnant 480
 gatnnanttt gttnnntnag tgtnggccta tcnttcgna tnttatatat aaanannnta 540
 tctcnnngnc gggacatnnc gncnttctg gntangnaga tnnnggtnt ntgnttgagt 600
 annatggnt gnnnnntgga ntcnnngttt tantngcngt anannntaac tnacnttcan 660
 tgnagattat anttcgctaa nanntntccn tancagtaga cgtcncctg gttgatacan 720
 agtacntacg cgcncntca atgncntctg ctacacnca acttatgtat gtgtatanac 780
 gacnatntan cgcgtacat ttnggcangt nncnagngn tagtgccct ccnatntga 840
 gncacacncc ctgtttgnta natcccagnc ntctatatnt gttatatngg ncagcngnga 900
 tangtnatat nctnnnanca cccatcatnt antgatancg cagcgtcnn gngtatatn 960
 gtactatncc canatntnct ttgattntcn cactgtcat gatgatnctc ttntattgtt 1020
 tttgtntan ncnegntent atagtcgttn tntggagant tgntnngtgn atnanntnn 1080
 cgcngnanan aatataatn gatgaaaccc nacaganaca ncnatgtgtt aacntntngg 1140
 tgagnnnggt nttnagtgtt gtntcgcaen tgggtntgcg acgcnagnt gcnntccgag 1200
 agttatggta gttntaanna tatagntatn tgccgagnga nagagtnatg atantggngt 1260
 cncatnnatc attntctgat acntntgntg tgntaccnca cnagttcgt tgtntnnang 1320
 cgagtatacn tntactccga nacagngtat ntntggcna tanntgatan acnnnnctc 1380
 gcgtntnttt atacatnctc tntgnnanag a 1411

<210> 2226
 <211> 783
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(783)
 <223> n = A,T,C or G

<400> 2226
 nctnnntnaa aatccccac naccctgatt naaagtanga ccttcccata ngggcgctt 60
 tgtgtgctaa aggcaganca ggcaggcttc nccactccta tctcctnccn aggccaccac 120
 catcacatnt ataggaggaa caagancact gggggaactc tggagtatga gtaaggaaat 180
 gcttctnacc ttntctgntc caaagagata tctgttanat cagggaacna gtccnctagg 240
 tcaggcactt cctcctgacc agtgcaacgg gcactccagg ttanaaactg ngtgtgctcc 300
 ctctctgtca gttacttgtc taagggctcc tatacgtggc catcaanctc tctggncntg 360
 agttctgttt gngcttatng cagcagcatc tttacaacaa acaggntcag taatcaacnt 420
 gggaagggaa aaagacnaca gtcaatntta cccctgtan agccgggang cntttacacc 480
 tgnaatggcc ttcttaactg atttctngcc gggccctca ccccatcca anntctgaan 540
 cttgaacaaa tccccacggc accagaagag gnngtctnnc tttgcaanct cccaanccct 600
 tggacnaaaa aaanaaaanc tggaagcgtg gagannngct tttacggcan ccnnngtngg 660

```

ncccnegnnc caaacttgggt tcnggncatt tattttttagg ntttccccca aatanntcnc      720
ttggagaatc cactntggan tttttncctt anntttctnt naaanaaaaa acccagggtc      780
cct                                          783

```

```

<210> 2227
<211> 829
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (829)
<223> n = A,T,C or G

```

```

<400> 2227
atgmnntnnn ttcgttnttc ctccacagtt tatgngtana nanattaata tttacntccc      60
atacatnaat gtntctatat gngtatgatg ngatccgata accnttatan tgtateccatc      120
ctcacancgc gatntanntn ttatnanggt cncnacgaa catgctncat agnnntatgt      180
ntataancnt tctnngtgat nagtggatng nctanggcnc ntgnacnanc gggnggggnag      240
ttttttgtat cnganataaa tatgcgacgt tcnntatatg tangntaac atttgtgaac      300
gtanancntn taanacncta tngantctcn nnncnatggn nncananntn ntaaccnatn      360
accctttctn tttegnacat gtnnncgcat nnttnttnn acctatnatn gnnanngaag      420
gnatgatntn ntnttncnnt nttnnngttt tcananaetc anttatnca tngccnanna      480
ctcatntcnn tgtaaccnct attnnctcc nnantanncn tntctgatnc gagtnnnnnc      540
nntttnnntn gtttctggcc anncanncn tnnnnntga tanncggnan ncccacgatg      600
nntnaagnta annnaataaa ancngctgcc tnttgntatt tntggaanan ttncnntnt      660
ngnncnaatt gangnnnnnn agancgcgn nnnagatnan tegtattacc nttnccttna      720
natannannt tnnncannna nttgnnctga nntgtgnnaa anatgctnan acannncna      780
tttacannnc tatnttacna cntannaann nanganacac nnnntnaan      829

```

```

<210> 2228
<211> 1341
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (1341)
<223> n = A,T,C or G

```

```

<400> 2228
ntnncnnan antttncnn annccentat tntntntga gncctnnctn ttnnncnate      60
nnacagttgn cnnantctna nagntnttnc naattcntnn tctgctntan tgggggggggn      120
nngngtanat aataattnta attngtaatn tttnatntg nnacnncngn cnaagggttnc      180
netcattngt nngtntnnt nngattngt nntcanncc tttgtcatan ngtgactgcg      240
gggtgtncan tncnctcgn tnatctggnt ntttnannac tctngntngc tttgtnatte      300
tgntatgcan cntaggantn aggagtnacn tttntcnang tagatagntt ttncntngt      360
catnnnnagt ngnccttatn gatgtnttan atcgctentc tnangnaaan cctctnctg      420
aanagcttta tgcactnctc ttnanatntc ngntatttna aatcttgnt nantcncnan      480
gatcatgact ntcacgcgaa antatatgtc catactcata taanagatgt gtgacgtgcg      540
atnatactcc ntcgcgtgat gtttanccac nacananaetc ancncagct ntattnagcn      600
natatataag tagtatcanc catantatnn tgtttatntc natatnacna ataantanc      660
tntggaacn tnnngccaa atnnctntga tgnacncc atgtaatatg tctnntnctn      720
nttcnnnacg tctttttata nnagttgncn ttncgantan tgtgnnncta tnnacgnncg      780
anatatnnnc natgagntan cgtntntnta cgcacataca cnnnnanaat agagtcacnc      840
tgcnnntaca cntnngtnta cggatcctat nngcgagann ncangnttan gannncgttn      900

```

```

tncnnnttcg tnnntaacnt attgtangna gcnntccatn nangatgata cancnttgta      960
tnannngnnt cgagtgtnnn tcntacatcn agacgtntnt nanttagncn tctcnatntn      1020
gtacgncgcc gtnntattgn gacctctena tctnngagnn ngctctccnc cgtagnnnat      1080
antatntana tttgcgtaca taatcttgnn tactgntcta ncgennnttg accatatctt      1140
nngannatga gatgtgnnac nntgttaacg acncgacgcn cntannagag nttgtnatna      1200
tagtanatng nttagtnnan anantatnna tgtaganact ncncaccnc catanatagt      1260
anatacgctc annatttgtt catcgtagca gaaatganag angttttttn nagacgatna      1320
nagtactcgg angnantgng g                                           1341

```

```

<210> 2229
<211> 727
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(727)
<223> n = A,T,C or G

```

```

<400> 2229
accncgntcg antcggcacg agggcgactg gtatccgggg actgtgactt gcaggggtccg      60
ccatggagcc agagcagatg ctggaggggac aaacgcaggt tgcagaaaaat cctcactctg      120
agtagcgtct cacagacaac gttgagagaa tagtagaaaa tgagaagatt aatgcagaaa      180
agtcatacaa gcagaaggta gatctccagt ctttgccaac tcgtgcctac ctggatcaga      240
cagttgtgcc tatcttatta cagggacttg ctgtgcttgc aaaggaaaagc ttgcagtcag      300
atcaagaaac tgaatactgc cagcatctca gaagccatcc atgtgacccc ttcaagtcac      360
tattctttct gggaccacca aatcccattg aatttctagc atcttatctt ttaaaaaaca      420
aggcacagtt tgaagatcga aactgactta atgggaagaa cagaaaaaatt tagttgttac      480
tgtagattta catgattaag aggcagcttt aattgccatg atcattccct ctttttggat      540
gtataagaac cttccggaca acagaaccta tttctggaat tgcagaagat aacatatctc      600
ccttatcttg atttaatcac cataaaccat acctatttaa tgagtgtatt cttgngcaat      660
ttttcttcca aaatggcttt actttggttt taaaatgacc ttcaaaaataa ctgncnaaac      720
ancattt                                           727

```

```

<210> 2230
<211> 825
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(825)
<223> n = A,T,C or G

```

```

<400> 2230
accncgancg aatcggcacg aggcataacct tacacacttg ncctgtgcct ttgttgctgt      60
atccctatgt aaataccttc tccaccttcc cattccttca tggatgactt cccagacctt      120
cccactcatc ttttgaatgt gtttatgtct gacttggcaa tgcataaaaa tctttttttt      180
tttnggccnc aggtnttacn gntttacagg gggaatcccc cangaaancg taaaactntt      240
tgcaacttat gncacacctg ttnttcaagg gcaaggatna ttngcggcta tagtttttnan      300
gccnnctaaa gtcccttttna nggtcatatn catagcanaa nncncnggga taataattat      360
tnaaaaanga ctananannng ncaaagtngn cncaggaaat tccnaaacnc tttataaaaa      420
aactggaaaa ataaangttg gngannacct atnnaaccnc ttaaggnc cagtaattt      480
tttttttctn ccggnntccc ccttccatgg ncttntnaaa ggaaccnngn gaaaaaggna      540
nccctccnt tntnatntaa antaaaaaat tctttccctt ttggaaaaat tttaaacttt      600
nnatttcngg ggaangggna aggaaaaaaa aaaattttga aaanntgtcn anggtttnac      660

```

```

ccntccctt ngggananca agattttttt cctttttttt gggaggggtt ttttanantt 720
taaccnnggg gcctnctaa anggacatng gggaaancan acannggggtt ttccttgncc 780
aaaaaaaaanc cntnncnttt tttaaanttt cgggggngg canaa 825

```

```

<210> 2231
<211> 736
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(736)
<223> n = A,T,C or G

```

```

<400> 2231
nccccncccg attcgacga nctcantctc ttgacctcat gatccaccg ccttggcctc 60
ccaaagtgc gngattacag gcatgagcca ctgtgccc an cccctccctt ccttggtttt 120
gtaaaataaa gtcagagaaa cttttccnnn tatagtcaac taatacacat tgatttgaag 180
gagtnnaaac tgagggaggt tacataaaat aacttctctg tgaagtatta gtganatgat 240
cangcctggg gtgggagctn gaagagagga gtggataaag cagtcaaggt caaacaggag 300
tgagacagng agcaggactg aaggcacang tgaaggtgaa gctgctcatg tnntttttct 360
cccacagcaa cacgcatgta tatagctttg aagcangaac agaaaaaaa tagattactt 420
aggttgatcc acctgaacta agcaggattt gnggncattc attgnggaga agcactncag 480
tganagaggt gagtanatatt ggtgagctaa cccangagtc anagcntatg tgannctcgg 540
agagaactga acagntcana ggtcgggttc cngaaacnna ggaaanccgc aaggnaagct 600
gggagagcgg tcncatggna ttacnctac ncagggaagc naannnaanc agggccaggc 660
tangctnagt gggantcttc ttccacggtc catgncctgn nccatnttaa nggagntgca 720
angttcatta cgacga 736

```

```

<210> 2232
<211> 731
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(731)
<223> n = A,T,C or G

```

```

<400> 2232
accncgcntc gaattcggca cgagtgaact gggagaaggg gagaaagttt gtgaagagga 60
gatcgggtgac ctgggctcct tatgtgcctg aaagagtttg agtttccctg taactccaaa 120
tcaacagtat tttcaacaag aaatgtgcaa ttgaaatcaa gtgctgttta agtcagacta 180
ggatttccac aggaagacac ttgcagtga cagagttatg gagcagcaaa aacacagatc 240
tatttgaaa aagagaaaaac atatgcgttg tattttgctt caattatnaa ataccatcct 300
ctcaaagggtg gttctaaatt acaaaggact ttgatttcta ggtagattct gggtagagac 360
ttcctttcat attgaggtcat taatgacacc ttttaacctg ggaagcaata tgactggagt 420
tgtactttga gaagattaat cagggttggg tgcagaatga aagagaagat gaagtcaaga 480
gattggttta gaggtcttag cagaagctta gtontatttc aaaatgatca aatatcaaga 540
aaaattctga gctgcataac ttgtataaag taattttcag tgattttttt catgggtatg 600
ataaaagaac tggattagca gaaactttta ccctgaatca agatttaatt tttcttttga 660
cctcattnta aggatatcng gacatnggga gcnaaccgat gngngnctg cctcagngct 720
tgattttanc t 731

```

```

<210> 2233
<211> 840

```


<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(840)
<223> n = A,T,C or G

<400> 2233
 ttganccttt caactccngn nnttttgcan gannnnnnnn nnaggagtcg nnncgagggg 60
 aaaagggtgga gaccatcatt gtggaatctt gtatttttcta ttaagggttn tttantccta 120
 caaacttgaa cataaatttt taatatttgg gaaggaacat tcactgaaga attgataata 180
 nactaaaaaa tatagctgtt atcaattaat acatgatctg tccttgaaca catattcacc 240
 attatgtaaa cctcacatta tttcagctta tttattccac agataccaat agacatgttt 300
 tcacattgta gcatctccca aatcaaaaata cttctaaaaa ttggtagtat gtcggccggg 360
 cgcagtggct cagcctgtga atcccagcac tttgggaggc caagggtggg ggatcacctg 420
 aggccaggag ttcgagacta gcccggttaa catggtgaaa ccccatctct actaaaaata 480
 aaaaattanc tgggcatagt ggcaggcatc ttgtaatccc agctncttgg gaggctgagg 540
 cagganagtc cncttgaacc cagnagggtg gagtttgcn gtgancccaa gatcatgcca 600
 ggcattccaa ccttgggggtg acaaagaagc naaaactntc aatctnnaaa aacctnanan 660
 anctttcnnt nctnennnnn aaaaaacnnc gaancccttn caaaaactta taggngannc 720
 nncanttcnc cgttanaacc cennnctnga ctaagaattc cnnctgnttg gantttnggn 780
 accancccc nnccttgaan cgcnggcga aaaaaaactg cttttttcgg gnannntttn 840

<210> 2234
<211> 728
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(728)
<223> n = A,T,C or G

<400> 2234
 acctcgattc gaagaaaang angaaacaca agaaagagaa gaagaagaaa gacaaagagc 60
 acaggcgggc agctgaggcc acctcctctc ccacatctcc tgagaggccc aggcaccacc 120
 accatgactc cgactccaac tccccctgct gtaagaggag gaagcgggga cacagtgggg 180
 acaggaggag cccgtctcgc aggtggcatg acagaggctc tgaggcctga tggctggacc 240
 ctgctcactg ctgttggtgg accctgaacc ctcccttcac cttgcttgcc tcctgcctcg 300
 gaagctcctt ggggtgtggg gaagcccag gctgctcctg tggaagtggc tctgggcacc 360
 agcctgtggg gctaaagact tgacagctag ctctggagca gccggcttcc tggaaaacct 420
 ccaggtttcg cataccaggg atggcccctg gcttggcctg cgaagggtgaa cctgccagat 480
 ttatcaagta gaggtgggac tcctctgtg tcctgcccac ggttgcagca gccatggggc 540
 tatgagcggg ctaactgtgg ccaagtatgg tgacctctat ttttctttat attgactctt 600
 tgnatttcaa taaatatatt ttaaaaanga anaaanntec atcnaacccc cncncccc 660
 ccncntca aanntttngg gggccttntt ccnanaacc nnncttataa aannccnttt 720
 nancntca 728

<210> 2235
<211> 733
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(733)

<223> n = A,T,C or G

<400> 2235

```

accctcgnct ggtcctcctc gtgggcctcc caaatgctgg gattacaggc gtgggctccc      60
gtgaccagcc tggaaactgc tgatgagcct ctttttctcc tgaaaccccg gtgggaacag      120
atggtggatg cttccaaaag catcgaagct gtccatgagg acatccgcgt gctctctgag      180
gacgccatcc gcaactgccac agagaagccg ctggggggagc tatggaagtg acccaaggct      240
gcccactgga gacgcctctc cctgcagtcc cccgagaggt gggagactcg cggaaggccc      300
cgtccccagc ggagtcacaga ccccacaact tcaggagctc tttcccgga gcagagatct      360
gcaggtgcc tcttctgccc cggagctggg gtgcactggg gacccccgtg gtggggacct      420
tggcagtgtg gacatgagca gagcgatgga gcagtctcct gccctctccc ctgtcctgat      480
ggcactctgt tgtattttct tactgaagtt cagtgataac tctgagcagt ttcattgtga      540
tcactgtaaa tggtaatcag ttggaattct cctaaatgtc ttccagacac tagtaaaaaa      600
aganctgaaa aaaaaaaaaa aaaaacctcg gncctttaaa aactntaggg ngctcctttc      660
cnaaacceca cncctgaaaa annccnttn gtgagtttgg gncnccccn accnttaaaa      720
acnnnccnnn nca

```

733

<210> 2236

<211> 823

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(823)

<223> n = A,T,C or G

<400> 2236

```

ntttttgggg ggtgtttgga tacattagaa attactgctn ganaaaaaang gtcctngagt      60
gggttttttag gannaanccg tannctnanc gtgntncata tttncnngng ccctacacca      120
ncnctagtgg nattgtcact tcateccgnt ggatatcana acgtgttcag gaacactgaa      180
gttcatnaga gaaattcaca anctctacga anncaengtn atttcttttt cctgggctgn      240
ggntggactg tggatgacac cactttccag gcccttttct tggaggcngn caagcntaaa      300
tctgacctan aacatttcat gctggttcgg agaggagacg tanatgagtt caaaaaagct      360
ttgagaaaac atgctggata aggggattaa agtcactctn tatggagatg actattgccc      420
gatcnttcan aatantttca agccgactga ccatgtgaga tntccacaag ggngcacntt      480
atnggatggc gngagaaaang tcaantttaa tggtttatcc ngctngcaca cnngtgaaat      540
naagaagnct gttntacant gaanccacc taaaannaaa tttnnnancc gnnntantanc      600
cangtntgnt aagggtcnta ttacnngaaa tgtgtcttan acaaagnaana cnttaccnng      660
aaccnancn ncnatttccc caaaaaaggt gaanccaaat tnnctcccaa ggtttttaan      720
gggcnngnng tnccaaaaaa agggngggaa anngtntgca anangttant ncccttcnat      780
tnacncntn gggttcntn gaanattncc gggcncntn gnn

```

823

<210> 2237

<211> 729

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(729)

<223> n = A,T,C or G

<400> 2237

```

cncnccanct anctcntggt gggcttcaaa tttactttct cccctctgcc agtgcgtcta      60

```

```

atggaacaaa cagtaaactct gtagtggctc agataccacc agcaacttct aatggatcct      120
cttccaaaaa cacaaacttg cctacgtcag taacagccac caaggggaagt ttggttggtc      180
tagtggatta tccagatgat gaagagggaag atgaagaaga agaatcggtcc cccaggaaaa      240
gacctcgtct tggctcataa aatatttatt agggggaccct caacatgtgg tcttacaatg      300
ctgcaactgt tcagtgaagt gaaaatctga atcagaaaagc tttctcaatt gaacttataa      360
aatatacaag gagtagcaaa agacagnata tcagctaaga gagtttagtt ctaataaaaa      420
tcaggcttcc caggaaacttg attgcttgct agtaattaag gggtttgctt tttaggctgt      480
caaaacaaac attagtaacc agaacctggg agatagcttc ttcagcaagg aaaagtcaca      540
ggtttgggga cggtttacgg gaggggaaaa ggttgatata ataatgccag gttgctnctc      600
gggtgtcgat ctagaaacaa ttttacagaa cttcagttgt aactcaataa ccttacttgn      660
ataatngggg ctggccatgt tgtggtttaa tcagtggctc tttttaaag aaattttttt      720
ggnaaacnt

```

```

<210> 2238
<211> 1200
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1200)
<223> n = A,T,C or G

```

```

<400> 2238
aaggggaagag gnnnnnggggn nnnanagncn ggnancgcaa gagaaaaana aaaaanagnng      60
gaaacgncna cncaaaaanna aaatgntggt cgnggcnaaa ncacccanac gcnnnnnacag      120
nnaccanaca aangngccca cgaggccgcg gnggtttntt acgnacnnc cgnnaaanncn      180
cccaccnngc ggcngcgncc ngngncnacg naannnaaga gaaangggcc gagaggaacc      240
ggtanggcna cnaccnaana agnacaggga aaagnnggca cactactccn naccnggaaa      300
nannangcaa nagngcncng acgnncnnac aanncaactc agngaagcaa ncnagncccc      360
gngacancan aanaccnagc ntncngagac anancgggaa ncaacggacn ccnancnaac      420
caacaantga ctagacangn naaaaccnna ngnnhgacnc cgacnatcng gnagcgcggg      480
atggcnnaca nngaagtacc gccancaaaa atgganncct nacnngggcc nggacgcaag      540
caggcgggaa ngnttgngat ananannnnan acannngcng gnagggcaaa agggcgcnna      600
tggaanaacc ngangccag acanaccngc annaccaggg tcgnncnana catnacggcc      660
anaacncnca cggcggcacg cnaaaaacga nagnancna cngcnngggg agcacganca      720
gnctnnanga nacngtgang aanncaccac accacnacct naganncagc ntancagga      780
agancananc ccccnncga anagnccaag gncacnncnc gncacaaca ggcnegcggn      840
gcancngngn anngangcca aacganctnc ccncacnac cganaccgcg cggtnnagga      900
nnanacnenn atncgcaggc aanaaaanat aanngcanac cnccccgant nnnngnanact      960
nncncncnaa acanncgcn cnccgagtcg ncgtanagat ataacgcgcn naggacgcnn      1020
acagacngac atngtangcc accccggnnn cntgactang cagacgaccc nccnacnnac      1080
gcgcnnnnga tatnccgcc nngcaaactg ccaacacccn nccctncan cagcgcngtg      1140
gnnncgcccc accanaagac cgnncncccc annnancccn ncgcgaaaca cgagnngngn      1200

```

```

<210> 2239
<211> 735
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(735)
<223> n = A,T,C or G

<400> 2239

```

```

ttaccncgnt cctcagcagg gagaaaagga ggcagtgggc acagccgtgg actatggcta    60
cttcagattc ttccaggacc ggaggattgc ccgctgcccc ttccacacgc tgatgccagc    120
agagcgcgag acgttcctgg cgcggaagcg gctcctggag tacatgggct tgcagctacg    180
gcaggctgtc tttgccaaag agagccagtg ggacccacag tggctgtacc tgtgcaagag    240
agaattccct tcttcaagtt ctgctaccag tgtggccgct ccacggggt cgcctcttg    300
ccctgccttc gctgctacgg gatcctgacc tgcagcaagt actgcaagac caaggcctgg    360
accgagtccc acaagaagga ctgcggggac ctggtggcca tcgtgacaca actggagcaa    420
gtttccagga ggagagaaga attccagtga agcagcagct gcacgtccga ggcttgggga    480
ggaccaggac tgtgtgggtt tcttacctgc ctgaccacct naaggaatct tccacctaatt    540
gcaagctttt ttgcancctt tggggtcatg ctttttanca agnntctccc ttgcgaacct    600
nccnataaaa tttggcccca ccggggngga tttttacaaa aaaaaaaaaa aaaaaaactn    660
cnnccttta aaantnttnn gngggccttt tccccnatt cccnccctt taaanaaanc    720
actnntgnnn gnttn

```

<210> 2240

<211> 738

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(738)

<223> n = A,T,C or G

<400> 2240

```

cacctcgttc gaatcggccg aggttttagaa actgattcta gacatttaag ttcccagact    60
aatgtcacag aagctaataa attgcagagg ttaattggaa gcctggctctt aacactccca    120
ggttatctta atgagttcat gaggatggca tatggataat gcacttcaaa ggtgtgtgta    180
agtattaact aagttaatac aggtcaaatg catatattag cactcaatgc acggccattg    240
atcaataaat gctagtgggt ctgatcagtg agaacttaac ctctgcttaa atacctttag    300
tcatcagcag cttccactcc ctgagtaaca tgttgcatct cttgatcaat tataatttta    360
cagaattctt cctttactga agttgaaatc gtctccttga aatttctact tggatatggc    420
tctctgtttg ctacacaaat aaatttaatc ctaattttat ctancttatt ttccaagcat    480
aaccacacca atttcattaa atgattcctc atggtggcat gacttaaaact ccggtcacca    540
tcctatttgn ttttcncaaa gagcttccag ttngactgct nctgtgaaaa tgtccatcta    600
ttaatggaaa tggntttttc taaaatttac aagancttcc ccgttgtatt gnggtacaag    660
ggttaaaaaa agttttctgg agaattcctt tgactctntt ttncocaaag tttnttgnng    720
ggncccttct cttttcct

```

<210> 2241

<211> 721

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(721)

<223> n = A,T,C or G

<400> 2241

```

caccncgttc gantcggccg aggtattcag taagtaccaa ctatgggtgct aacgtgagtt    60
cgatacgaaa aaagctgaga ttcattctata tccatttttag aggaaagaag tgctatgacc    120
tttccaaact ttcatttctc tatcccaaag tctcatctaa acagatttta ctactttatg    180
atctatgttt aaagtccttg ggataaaaag aacaaaccca agaagtagga gtcttacttc    240
tacactttta tgatttctta tattggcatt agacataaac atgtctgaga ggctgtctgg    300
tccaactgtc tctggtcact togatcttcc aactgccaac tcccaggcca tgggatcact    360

```

```

tcctcctcta aattctacct actttttata ccattcaact ggaaatttac cccacacaag 420
atttttggca tccctcagat attgttatat aactggaaaa gggcaggaaa tgtggattat 480
aattttttgc aataccggga gtggcatata tggagctttg caccattgct gataattgat 540
acacatctga ttaatgtata aattaaccaa acagtactga ctctcaagtt ttcagaagtg 600
tangagtctc taaatgggtc tgaagatacc atagatgaaa ctttcattna cactgccaat 660
cgaaaaaaa aagccattgc caacataatc caatttttcc tcaaaagatt ttggnaattt 720
n 721

```

```

<210> 2242
<211> 743
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(743)
<223> n = A,T,C or G

```

```

<400> 2242
nccnccganc gnttacgtga ngnatnactt actgtggaat tgcattncaa actgggctga 60
gggtgggatgg tgggtgtaga taagaggcca gctctttatt tcaagccaat acatgttgca 120
ggctatggac acaaatcat atgaacctgt tagaatgcan aatagcccca tgttaaactg 180
taaacacctt atcntcatca ccattcatat aaattagttg atttcatatt ttgcgtntgc 240
tttgtgaatg agaaaacctg atacttagca tcactctccc taaatacagt cctgaccaan 300
caaataacag aaaagccttc tacagtanat attttgttt ttagaatnta tcattnacnt 360
ntttaattta atgctncaan atagatnata cacgtccnca aatttgaang ncnaaacaat 420
gtaaaanggt atatgcagag aagtcttatt cttacccatg ttggtaaatt atatatgnn 480
gacccacctt accccaccca ggtaactata tttattagtt ntcatttatt cttccnngcg 540
gtttgtttat tgccaaaatt tanntaaaag atnaatttnt ttgntcataa tntctgnctt 600
tttctttant agaaaggngag tatactattt acntcgggtc gcnnnttttt ntctggtgnc 660
gnnggtttnt tgggttttgn cttttgnccc tttggagnaa gggantcttg gttttgtctt 720
tcagcctgga ctgccatggc ccc 743

```

```

<210> 2243
<211> 773
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(773)
<223> n = A,T,C or G

```

```

<400> 2243
accnccgctc gantcgcacg anggatgctg agatgatagt ccttttgacc aggatgtctc 60
aagtatccaa gcccanaaat catctcttct aggtggaatc aagatggttt gcataagaga 120
ccatgcagat gcacgtctct gctatcttac attaaaaatg cagaatggct cacctgccct 180
ttgtgtgcat atgttatata gaaaaaccta tttgcatgag aactgtcacc cacagttttg 240
ggtaggggtc gtgtgtgcca ctgagcagga acgccgaggg ccataacctg tctaattgat 300
taaattctca ggaatcggga ttaaaagtta accagccagc atcctttgct ataaggttga 360
atggcgcaaa aggcaagatt gatgcaaagg tgacacagccc ctctggagcc gtggaggagt 420
gccacgtgtc tgagctggag ccaggtganc aggaagcctg ctgggggggtc ccagcaccag 480
cacttttcag canaatgttc ctgtaaatgt gtgtcccaag gggagggttg atcaatttca 540
ttactggcag tgaagccttt gnaattccct tttntgggtg ccanaatatt ngttattnaa 600
attaangggg ttnaaaacat ntgccccagg ggataagggg anaaaccctt tttatgcctt 660
anggaaaaaa aaaggcccaa ttcccttctt ttcctttttn taaaacaaaa tggcnttggg 720

```

ctttgggtcc anctggccct ttaacccttg anaaggntcn aagncntnca nna

773

<210> 2244
 <211> 722
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(722)
 <223> n = A,T,C or G

<400> 2244
 accncgntcg aattcggcac gaggtgggt gcatgtgcta ccacacccaa ttatgaatth 60
 catcattagt ttcttagtag agtccacatg tcctcagtag taagttcatc agtgctaaat 120
 atttgaaggt atttctactg ttttgtaaaa gtaacttaag cctacctggg ctgctatctt 180
 ttgagtattt atactttcta cgggcttgta ggtaaacata aaaagagaaa aaatatccca 240
 ataatacagt ttttaacctt ttatgataaa gacatgctta gaattgctgt taagccttct 300
 gagatttaac cactgaaact aagtaaaaga caaagcactt aggtaaagct tcattcagta 360
 tccattcacc caatactggg ttgattctag ggcctaggaa aataggactg agcaaagccc 420
 ttgtccagat ggaacttatg ttttagaggg gaaaacaaac cataaaaagg taaacagtat 480
 aaaatcagga aaggataaat gtatatgaag aatcaaaatg aggacngtga tgggggataa 540
 gaaggggaang tttttgagga gagcagagca atgatgtaaa agccagacac acagataggg 600
 gaatagcttt cctactaang ggatgggaaa taaaagctga gntttggctt gaggcctcca 660
 acattganaa ttgctanaac tntgggaaca aggntanagn ggaaanattt tagccaagnt 720
 cn 722

<210> 2245
 <211> 746
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(746)
 <223> n = A,T,C or G

<400> 2245
 accncgntcg aattcggcac gaggggtggag ggaggcagcc ggcattggcat ggtgaggaag 60
 ggccatggaa gaggacagaa cctgtccacg gagtcaatgc tgaggaagga agacggagga 120
 tgaggccagt cagggttttc gtggtggcag tgccttatgt ttttatcgaa gtgtatattc 180
 acacagaaaa gcacatctcc caggatcctg agagagcttg aaccagacca ctgtggacac 240
 ggtggccacc cgtcaccact acccttccca aggggagacg aggagcaagt aggccttgagg 300
 gaaaagctgc acaggactcg tgtctgaaa tgtctaagac gcatgtcaga aatgcaggta 360
 agggggggtg cgggtgctcg cacctgtgat ccagcactt tgggaggctg aggcaggagg 420
 atcacttgag ccaggaggtt caagactggc ctggacaata taacgaggcc tcactcttat 480
 aaaaaaatt aaaaattagc tgtgccccag gtgtgttggc tcacacctgt aatcctggca 540
 ctttgggagg ccaangcagg tggatcacct gaggtcanga attcaagaac agccttgccc 600
 aacatngaag aaactgcatt ttctactaaa aaataccaaa antagaccgg gcgttggtgg 660
 tgcattgcct gtaatncaa cttcctaagg gaattcttag gcaggganaa atcactttgg 720
 aaccnngna ggccggnagg tttcnc 746

<210> 2246
 <211> 844
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(844)
 <223> n = A,T,C or G

<400> 2246

accnecgntcg aattcggcac gagagggact tcgttgtaat gggttttgct gtaagtctaa	60
tggcaagatc accattagca aatggaatt acatttgaaa gccattagc ctctagaact	120
atagttagtc gtattacgta gatccagaca tgataagata cattgatgag tttggacaaa	180
ccacaactng aatagtctgc ctcacnaagc cgcttttctg gcnactancn cgccgcncgc	240
cnangnnagn ntcccattnt nccccnngt ncccacattt ccctgaatta anngcnattt	300
ncttatncag aattgcactt nnagnagcan nngganccnc nggcgtctnn ccngctacnt	360
ngtggannnc tgcncctctc cnaaacccggg ctttaccncc ccngggcccc ccttcccttt	420
tctcntttac cngnnntccc ccnnccttga tngnancccc ttggtacntc nccaagntgt	480
tggencenna ccaattggn cccncanngt cgcaccnntn ncncnngcan tttttgacct	540
acttcntatt nnaacccccc gttccctttn tngncccccg cgananancc ccgctnneng	600
ggncattctt ccccanggtt ggccnanna aaccccnntn gcccnntcg gcentggntn	660
cgcggtctaa ctntntcnn naatanntcc cctnttnngg ncancttgcc aancnctc	720
tccnttgcc nggttccatt tncnctcgg nnnnnatctc ccnaccattt ggcnnncntt	780
ctcngaana gctctncaca ctctctacc gcttttaac ncctanncaa cnnnagcccc	840
tnnt	844

<210> 2247
 <211> 750
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(750)
 <223> n = A,T,C or G

<400> 2247

accnncgntc gantcggcac gaggtccatt cttataaagg gaacttctag caaacctgcc	60
cagccctttc cctggaggga aacattatct gtattatcct aaagagcaaa caaatctgct	120
cttggttcca aatagagaca ctttatcttt caagacaatg cctatgcaaa tatcttagaa	180
aagatagtct aggagaaaca agctgccaca agaactgcaa aaatgcaaac agcctataaa	240
gaattgtctc ccaacatatt gatcttttat attattctct ttatgcggtg tcataaaaag	300
ttgagagact gcaatcctgc acctgaaatc ctcatttccc ttcttttcag tgttctttat	360
ctgatttttc aaaattcata tactatttgt acagtttcta ttgaacctca cctgaattcc	420
agttttatct actatgttaa atgattcatt caacagctat ttactgagta tatattgaag	480
agatagctga actcccatgt ttgttgcagc acaggctcat atagccaaga tttggaagca	540
acctatgtgt ctatcagcag atgaatggat aaaaaaatg ttgtacatat acacacaaag	600
gtacgattca gtggatcaaa atgaaatgga gatcttgta tttgcaacca acataagaat	660
gggaatggga agtcattatg ttaagngaa ataagccngg cccagaaaag gacaaacctat	720
tggcattaat tcttcncttt attcatnggg	750

<210> 2248
 <211> 1400
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1400)
 <223> n = A,T,C or G

<400> 2248

nnaaaaaaaa	aancegnntt	gaatcgncna	aaaattaatg	gtttggnant	ngnagangan	60
taanngaatt	tacattttta	atcgtatngt	ttganatggt	ttaanngggc	gggggaagna	120
tatngnntaa	ttggaggatc	ccnaccaaac	actnttcgng	atgtaagggg	ngttgagaaa	180
atactantga	natggntanc	tataacgaaa	catacattca	tcccncctat	ctgttgtnan	240
tatagtaaca	tgnanatac	atangggggg	gggggggggg	agttntctnt	ntnntcgann	300
ctnaataggt	tcgtacgntt	ntagtggtnt	ccatatacnt	gcanaanatna	tcnttngtga	360
nntatgtncg	ngnaccatat	aagtnacatn	tcnntcacga	ntattattng	agngtccncn	420
nattacntan	gcgcnnnnac	cnngnncnnt	agtaaatacna	nacacannng	cgtgcncnan	480
ngtnannnaa	atgtagnnnc	gtgtgaantn	ncgccnanga	aannagggnn	nantannnnt	540
atnnananan	nnannngtat	tgatgngatg	attannattt	antcnaantn	cacgnnnatt	600
ntntangnnn	ncnnntgung	ttncatnnn	cccaccncng	ntgannnnaa	gnnngnacat	660
ngccnatgtn	ntttcnangt	ngangataat	natngcntnc	ncnnaattan	nngntgacnn	720
cnannccnac	ctgtttncnc	cgaagtgncg	annnatatnn	accncnnttt	tatacancat	780
ngcccnnnnt	tgcccnagta	tnanantatn	canntgntgn	ggatgngngg	annatgccnn	840
tnnttaggcn	nttatnnntn	ntnaantnt	atncgggnaca	cnnacgcatn	tnatatncn	900
angtncnctn	nnatatgna	taagantgnc	atntngtatc	ntgnctaaa	tatacgacca	960
gcantnttg	tctntntcac	tnacatntat	catagacgat	gnntntnaa	tatnggcntc	1020
tatgantatn	ncnggcnnnn	catatatatt	attgatcgcg	ntccnctac	nnagatatct	1080
atcgcgagnt	caccagtgtc	tncnngaana	ttacatgcnc	ncgncntcgt	ntannagttn	1140
atcgctntat	gtgagncgtn	cgacctcncg	tgcnatntan	nganagancg	ntagtctnan	1200
tatgtagtca	nagtatatat	cgtcgagnta	ggagcggaat	atatgtanan	anacgctntn	1260
tatagggaann	tcggtatncn	ncntnanatn	tcnacaacnn	acaanttnct	aangnatatt	1320
ctttcatgat	aatctngaag	cgtaattat	nntannanng	nacancacta	aatgatanta	1380
ngatnaannn	cgtaccnagn					1400

<210> 2249

<211> 1045

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1045)

<223> n = A,T,C or G

<400> 2249

gggggggggt	gntanacgan	acgagcaagt	cnctaattnt	tttttnaccn	nntnantatt	60
atcacnntnc	cnttgnntaa	gaaaatntan	tantcaaacn	ttttcntcan	cancgggtta	120
tagccntctt	tatnnggggt	nntcttnttg	caccnataaa	acangctttt	ttgtccanta	180
antttttttt	gtgngcnc	ttacngcggn	ctgtnttggn	ccccanttan	angnccccnc	240
cggggtatnn	attatnanan	tantncnttt	ttttngaana	tcnctatnn	gnnaaagaga	300
aagncntnat	tatctannan	angngcnggg	ganaacaaan	nggatgcnan	attttgnnct	360
tnatttggtt	tnngnngcnc	tannntcggn	naaagtgggc	ccgcnaaac	aagntatcan	420
aatgccccgg	gaaccctnnn	tangtnntnt	tnaaaagan	aatnngtccc	ncccgaaaa	480
anaatacana	ntttgtgect	gagagggnta	aattaaaccn	ctcatcnttt	catacttaan	540
caaanatant	attcnnttaa	tnntntgcng	ccgggcnnnt	ntataaatna	nttttcacnc	600
acanactggt	gcggggcgca	acaacannng	ggnanccac	tcnttattna	atcgntccat	660
ggganttggt	naaaantttt	anttgcgna	cataataaaa	agtgncata	taatganncg	720
ctantgatag	aatccggcgc	gntttcaata	ntatatggtt	gccgatgttn	cnaaaanata	780
tnagagaagna	tnacnaggn	gtgggcccn	naaaagggtt	nttanannna	tantctgttn	840
cacnnatat	nttcnncctg	gannaaaatt	attcnatngg	gcatacnntc	gtttatacnc	900
cactgggggt	naaaagaaaa	atanttgacg	ntngtanng	gccaaaaacn	agagnntntt	960
tnnngggggg	gggaangtgg	gcataanaa	acnaattttt	ttcttttggt	ctnnacccaa	1020
anatacnggg	gggtnttaaa	nnnat				1045

<210> 2250
 <211> 735
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(735)
 <223> n = A,T,C or G

<400> 2250
 accnncgntc gantcggcac gagatcatgc tgctagtgtt cccgctacta gtgctccggt 60
 agtttttaaat catgttccaa cttgaatttg aggtcttttg actttcgttg gctttttgtc 120
 agggaaaaaa acctgttagg gacagggttt cacaattcct tttatatattc cattcacatg 180
 tatttacaac cgtgtgcctg gagtagtaag tacacaataa gtgagtttcc agctgttttt 240
 gtttcggaaa caaaaaaac aaaacaaaac aaaacaaaaa aacaacggaa ggtgaatgga 300
 attgtgtttg taacattaaa ctgatgtttg aaaagtagtt gggaaaaaaa gcttaggtac 360
 taaggagggt tcatccaact tttttttaa cgaaggacgt gttgccttag ttcaagtttg 420
 tataagggtg tatttaatat gtattgaaga cttactaga gcttacttat gaaaactgaa 480
 aatagggggc ggggtgcgtt acgcctgtga tccagcattt taggaggttg aggcgggttg 540
 atcacaaggt caggagttcg agaccagcct gtccaatatg gtgaaaccag gtctctactg 600
 aaaatccaaa aattaaacgg gcgtaatggc angcgctgt aattccact taatcnggga 660
 ngctgangca acaanaaatc gctttgaacc cnggaggcan aaggttncat gggcccnatt 720
 ttggcccttg canna 735

<210> 2251
 <211> 1047
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1047)
 <223> n = A,T,C or G

<400> 2251
 tttttttttn gaattntggn gnggntctnt aatnccccng gcgtnnncgg cnagnnaact 60
 tgtataccan cnnnttttnc ntctntatg tntgntntt gtngaance tgcantttgc 120
 tngggggtna cttnttnant aaataaacnc ctttaccatg gatttccntn atantnnntt 180
 tngngtcana ttagcnnatt cncncnnaen cctntttann tcncggctnn gtattnttan 240
 antnnngtng gnggngttaa aaataaanat acgggntttt ntccntantt annngtantg 300
 tanngngccg tgnancntt ntttatcna ntttgntncn tttttatanc ccnnttctcn 360
 natgnagnat attggccanc gaaatttaan cctctntta tntancnnc nttnttatat 420
 aaattggnnt ttttataatn ntttanaagt nancntngng gtttatatnt ntgttanaaa 480
 ngnggnnttt natnttaann caacggcttg ttncgngngn ggttnagcnc caanttnann 540
 nttnnnnttn gtatatntan nntatatttg ttnannccca cctgcacct tttatacnca 600
 tcnntttata gnntgcnnat atanggetat tagagcacgt nnatntagtt tnttncnnc 660
 canccattnt tntcccgctn gtnttgnnnc tnaccgcntn atgtntncc cntcattant 720
 antnccnnt cnttgatatt ngntnnnat tnattttant cgtggcncna ttgttactnt 780
 gtngggntaa naanaggntc tntntgggtt ggatanttaa agncaggcac aaatgnataa 840
 ntntnnggn tgtgnaatnt atnttttcng gggggcttta tngntcttn gattntgcgt 900
 nccccctttn ntnaaacccg nggggggngg aaaaaaactt nttagnntn caangtnann 960
 aantntctng gnaacnaaaa gnaaattng naaatTTTT tngngnntaa aaactggcaa 1020
 tttnggnatt tnnannantg aggetan 1047

<210> 2252

<211> 719
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1) ... (719)
 <223> n = A,T,C or G

<400> 2252

acctcgntcg	ttttagtcca	gtggcttgta	attaagtcac	ttttagtctt	taattatggt	60
gggtgctttt	agaattctct	tttagagttg	gtctacatcc	ttttaaaaca	tgggcaatcc	120
aaattttataa	cagtaaatta	agatacataa	aaaaaaacac	tggctaaatt	taaaaggaaa	180
cacttctaga	atatactgta	ttttgacaca	agaccagact	gtgctatgtg	tatgtgggtg	240
ttcaagtaat	ttaagaaaac	tggtggaatt	ttctgtattt	ccagtttcac	aagaacaac	300
ctcaaggagg	gcagtttaac	tgaaaattca	gaggatttat	agctctgaag	aaaaatactg	360
atgagcagtt	atacaaaatg	agaaattgag	ttctaagaaa	tgcatcccta	acttcaacat	420
aaagatagct	atgagaaaac	attctttgtc	ccaaccataa	atgaataaaa	atcacctcat	480
ttctcatcag	atgtttactg	ggttgctagt	tatatataga	atcctgcaag	aagctcaaca	540
gggaagtcca	aagagtcaat	caagaaggta	tgataatggc	taaagatggg	gactgnangt	600
caatgctcca	cgaagtcttc	ttttgtgccc	aatatagctg	cactgggtatc	ccatatgggt	660
acaatccagc	ctcanaaaat	gtgcagatgc	cctcccagaa	gntgagaccc	agttctcat	719

<210> 2253
 <211> 738
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (738)
 <223> n = A,T,C or G

<400> 2253

cnaccncgnt	cgccttttag	taacacaaag	ttccaagtat	gttacctagt	ttacagagtg	60
gtactcaaga	agagaattaa	cattcttact	gtaaaacttc	attgataaca	atagtctact	120
tctagaaaca	gaaataagaa	ttaaaaacag	tgctatctat	ttgtactggg	gagtgaattt	180
taacttttaa	gaaaatttta	atgtttaaga	agaacttcag	tgtatggagt	tacaagctat	240
cctgaatatt	tttataatag	aaagtattag	ttttcccagt	gtggcagctt	cttaataaaa	300
gaaattattc	ctttaaattt	gttctttctc	taattagagc	agtgtaaagt	accatgcaga	360
agtttcaggj	tctcatacaa	ccaagtaaat	agggttttta	tccccctacc	cagaagggtcc	420
catgtagata	atgaaagatt	gtatttgcc	ttctgtgaaa	attgctttta	gccccatcaa	480
tgcntaccct	gctttttaat	cttaacagcc	tccacttata	ttttaaaaac	ccattccttt	540
ctttctttcc	ttcttttttc	tgagagacaan	ggcttgctct	gtgggcccaa	ctngagtgc	600
ntggnggcc	tnaacactna	ctgggnagnct	cnanctngtn	ggngttaagt	ggatccttcc	660
gaccctcagc	cnctngagt	anctggggac	tacnaggngg	ggcnanaaat	gcaacctggg	720
gttgggtngg	tttggtta					738

<210> 2254
 <211> 752
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (752)

<223> n = A,T,C or G

<400> 2254

gacctcgntc	tccgccccac	ctggtgaacg	ggccccggcca	ccaccaccat	ccactctgct	60
gcgccacat	aacccacctg	gccagtagc	catggccct	cgaccccgag	ttcgggcca	120
gccttctgga	cccagccagc	cccagtggtg	tggttctgt	gggaaggagt	ttccccggag	180
ctcagatctg	gtcaaacaca	ggcgtacaca	cacgggggag	aagccataca	agtgtgcaga	240
gtgtggcaag	ggttttggtg	acagtctctg	ccgcatcaag	caccagcgtg	ggcacctggt	300
cctgacgccc	tttgggatat	gggatggtag	ggcaaggccc	ctcaagcagg	aggcagcaac	360
aggactggaa	tgacgcggtc	cagggagggc	ggaggcccag	gagaccaaag	ggaggggctc	420
tgccgcttag	cagagaagaa	agggcctggg	aggtggtggg	aggganaaag	aaaggaanaa	480
nggggaggaa	gaatanatan	aaatanggat	tggagacagt	aaccctttaa	agctcaagaa	540
acttgcctt	gcttgggctt	gagttaagga	ccttngcaag	gaccggcntt	taccccttgg	600
cttctnaaa	nactnnctaa	ccacacaatn	aggcatttca	attactttgt	tgaataaaat	660
aaaacttggc	ttttccccct	ncnnacaaan	annttntctc	tncnntncnc	ccnccnnnnn	720
ccccannctc	cccccccttn	aaaaanttta	na			752

<210> 2255

<211> 1369

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1369)

<223> n = A,T,C or G

<400> 2255

atTTTTtten	ctnataaaat	cgagtgnaat	acttgtnaan	cctttatant	nantttatcn	60
nctgaacncc	gcgccttgcg	tatatatttn	tgatgatgag	atggacttga	ttggagntgc	120
atgtatanct	nctctctntc	attantnttn	ancacacanc	ggtgtgtgta	nttnnnntgn	180
gnatctntgn	tntngggngg	gggggnaatt	gtntttanca	gtaatannan	tnttagttgt	240
cnntcacact	tagngtgacg	antatatnt	atntatanna	cagcnntnt	tgnncnactt	300
angcncann	ncantnngnt	gncccnann	nagttnttan	tacatcacca	ccataangcg	360
gntnannnaa	natncncgt	ngcancntnt	attacnntag	tnantgccc	ngtncnntat	420
nannnacnnt	atcggtgnnn	nttaanncn	gttttatata	cntcnctanc	natgtngnnn	480
tatgngtacn	ncncattnnn	ngnncettann	ggaaantnnn	tntataacag	tgnccngcnt	540
nnnnncnnnt	ntgaacatat	anntngngct	atatancnc	cnntcnna	tnntgtngn	600
tgtancann	antanatnt	aatacgacnc	tcanacgaac	ngnagtggag	anaagctang	660
anannngta	nttgatata	nnctannan	tgangactna	tttnactagn	atnattnnct	720
nncttatct	nntganatnt	ccncacnct	nantaattan	caaacnctn	ntgtgnanca	780
ntnngatnt	gnagaggnt	ncgncngtn	aacnanncna	tatnccccc	tnnttnanta	840
ccnntgcgtt	ngagngtngt	tngttncacn	accnccgatt	ntganacgng	nggactgatt	900
agtggngaca	cacanagagn	atanntntct	nngcantaca	aancgcgtta	atntctcacg	960
ncgncnaacn	cgtgatcgag	tgtnacgant	agaccgtntg	tgctnaancg	agtngatgc	1020
ggntnactca	tangtntntc	ngatgacatn	ttgtgcnaaa	tgaggttgag	ccatatgtaa	1080
natntaacca	cgcccnatg	ggtaaaagga	atngnnntnt	cnncggngta	ggattgnact	1140
cgccatcgaa	gntatntgac	atcggtnttg	tnacnanatn	ntcatcngat	attagacgct	1200
nnatcancgn	gnggaaacgn	ngacnanann	acgaanaana	tnccccctn	gagtatngnc	1260
cgtaaagacg	tatatntgac	cgnacntnan	gggnagcatt	tgtatacann	tncccccn	1320
acacatangg	cgctntgtat	tatanttagc	tntanacnng	taatagcgg		1369

<210> 2256

<211> 908

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(908)
 <223> n = A,T,C or G

<400> 2256
 nctaatacctt tagnaactnct tgtttctttt gcaggatccc tnnnnncnaa tnnnnnnntn 60
 tgagccatgc gagcagctcg tttttttgga gaaagaactg taacagaact gatttttcng 120
 caccagaacc ctcagcagtt gtctgccaat ctatgggccc ctgacagggc tcgaggatgc 180
 cagtttttag ggccagctat gcaagaagag gcctngaagc tgggtgttact ggcattagaa 240
 natggntctg ccctcncaag gaaagntctg gtactnttng ttgtgcanag actagaacca 300
 agatttncct caggcatcaa aaacaagtat tggncatgtn gtgcaaccac tgtatcganc 360
 ttctttgttt taaggttacc aaaaanagat gaanactctt ccctaattgca gctgaaggag 420
 gaatttcnga gttaatang cttacgcan agaactgat gcccaaattg ttcattattg 480
 ccattgngaag cngggactcc cgtattttca ccctgaacag cgggtccttc tcntttggta 540
 tgggggacnt tgnnctcata aaatcacaca atngccgctt ttatcattgc ataaanggtn 600
 tgtgaaaatt tagaagaagn ccngaaggtt cctatcattc ggcntggtna cnattcgaaa 660
 gaagtaatta ananatatct cntanaagna agttcttatt accnccaaaa nccagctcgg 720
 gaagaanttc cctnatgntt tttttaaaaa tgnncnanna cttctnttat tnaaatataa 780
 tcccnntant ctcctctctt taatttttnc tacccttggc caaaaaatta aaanggggnt 840
 ggccaacnng gggaaccca nnntnntnan acaaaanac nnnttnattc ctccacccct 900
 tttaaaaa 908

<210> 2257
 <211> 757
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(757)
 <223> n = A,T,C or G

<400> 2257
 ttanncnnnn ctngctngc tgcctgcagg ncgactntnn angatnnnnn nnnnccgagc 60
 tcgaattcgc cctatagtga gtcgtattac aattcactgg cccgtcggtt tacaacgctc 120
 tgactgggaa aacctggcg ttacccaact taatcgctt gcagcacatc cccctttcgc 180
 cagctggcgt aatagcgaag aggccgcac cgatcgccct tcccaacagt tgcgcagcct 240
 gaatggcgaa tggacgcgcc ctgtagcggc gcattaagcg cggcggtgt ggtggttacg 300
 cgcagcgtga ccgctacact tgccagcgcc ctgagcccg ctcctttcgc tttcttccct 360
 tcctttctcg ccacgttcgc cggctttccc cgtcaagctc taaatcgggg gctcccttta 420
 gggttccgat ttaatgctt acggcacctc gaccccaaaa aacttgatta ggggtgatggt 480
 cacgtagtgg gccatcgct gatagacggt tttegcctt gacgttgag tccacgttct 540
 ttaatagtgg actcttggc caaactggaa caacactcaa cctatctcgg ctattctttt 600
 gatttataag ggattttgcc ganttcggct attggttaaa aatgactgat taacaaaatt 660
 aacgcgaatt tacaatatn acgcttaca ttctgatgc ggatttctcc taccattgnc 720
 ggatttacac ggantgggca ctctaataca attgntn 757

<210> 2258
 <211> 794
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(794)

<223> n = A,T,C or G

<400> 2258

```

ctgatnctat cagctcttgt tctttttgca ngannnnntnn nntcgccctn nnaaactgaa      60
gaaaattcta aacgaaatgg caaaaagaaa attcattttt ttctctctgc tctgaagaac      120
ccttggtata acgtgtttat agcatctttg gtagatggag agagatcttt tatgacaaaag      180
agtgtgatac aattttttta atgcatatag ggcattgttc ttcctagagc atattttacat      240
aaattatctc atttggaaaa cacaacaacc ttatacttgt gtctgcattc gcttgtgcat      300
tttaaaggtc ggaagaaatt gaatcttttc aagagtcttt ctgagaagtc agtaactttc      360
agaatacatg tcttaccttt aaagatgatg ttacggatgg taacgtgtga ggcttcattg      420
tgaaatttaa ttgtgataaa ccagtttaat ttccttcagc atctctttca gggctacctg      480
aaagagccat gagtaggctc ttgatctgat gcagtgtaca gtttttaatc caagggttat      540
atcaataatc cagcatatgt ttaatgaata aatctatggt ccactgggtg ggacacctgg      600
ctctgtgtgg tcattttatt tagactttac cagcccgta gaaaattcat gtctatgtct      660
caggacaaga tgtgtaatca aaggtaggaa cctgtgctga gaataagaat acnagggtcta      720
aaaatgttta tttttgaatg gaagagaaga atccaaatgt aatttggatg ggccnaggca      780
ccgngggctc ncan

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<210> 2259

<211> 1048

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1048)

<223> n = A,T,C or G

<400> 2259

```

cgttgatcct ttcaagctcn ngttcttttt gcaggatccc tcgattcccc ctaccgaacn      60
ggaaaaaaat ctnaaccnna nggggcatan aaaaancnnn tttttnnncn ncngnctggn      120
aaancccntg ggntaaccgn gtntatccnt ntngggngnn gggaanana cttttggcca      180
ananggggga ccantttttt natgntnnt ngggcntggt cctccctaaa cntnttccn      240
taattnatct cnttnggaaa ccncaccacc cttntcctgg ggtcngcatc ccctggacca      300
tttnaagggc cggaagaaa attgganncn nnnnacncag cctttctggn naagtcnngt      360
aaccttttca agaaatccat ggtcttancc tttaaaagga atgaatgggt tncnggatgg      420
gnnaaccggg ggtggaaggg cctttcattt nggggaaaaa atttaaaatt tggnggaatn      480
aaaaaccccg ggtttttnaaa attttncccc tttcangcca ntctctcttt ttccaaggg      540
ggcccttanc cccttgggaa aaaagggaag gcccccttg gganggttta gggggccctt      600
cctttggggn aanccntngg gaatggncn aagtngggta aacccaagg ntthttttt      660
naaaaatncc cccaangggg ggttttttan ttatttccn aattnaaaat tccccccag      720
ncccattht tnggtttttt aaaaangggg aaaatnaaaa aattccttat tggggnntnc      780
ccccctggg gttngggggg ggganccnc ccctnggggc cttccttggg ngggnggggg      840
gccaattttt ttttaanttt taagnaccct tttttacccc nagecccccg nggaagnaaa      900
aaaaaatccc aanggggcct taattgggcc ctncangggg aaccaaagg aatggnggt      960
tnaaattccc aaaaagggtta aggggaagcc cttggnggn cccttggngg gaaaattaaa      1020
ggaaanttcc cccgggtct ttaaaaaa

```

<210> 2260

<211> 978

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(978)

<223> n = A,T,C or G

<400> 2260

```

ntntnatcct ttgcaacnct ggctcttttt gcnggatccc atccgattcn aattcggcac      60
gaggcacctg tagtcccanc tactnttttn gttgaggcaa gaaaaataan ttgaaccag      120
aaggcnaagg ttgaantgac tngatntnac cccaatggca nttancagcc tgggncanaa      180
aggaancgna aattttgcta aaaaaaaaaa aatnaatngg gctttcttcc antcctcttg      240
gattcacatt ctcttnggta aaaaaagctt taaancntct ttttccgggg gttcccgggg      300
tttggggccc gttccccggt gggaaatttc ttggggtngg gnncttggcc ttgggggggt      360
cttcttgga aaaatggttg gcnttgcnnn nccagnngnn ncnctanaaa acccctggaa      420
caattgccaa gttttttccc cntngccttg aanggggggc cccttaang ggggagtgc      480
aacaacccaa aagggggtcc cccaacgaa ngaaaaaagt tttgttggc caattncccc      540
ccgggggggg ccccggaata aaaaaaaanc cccccggtg gtcttttctt ggaagggaag      600
tttccgtnc cttttgtngt ncccccttg caaaaacatt tttnttctt gccgnaacct      660
tttgnccct tccaaaccaa ttggttaatt gtaacctttt tcccttgga agccttgga      720
aaaaaacgcc ctctttaacc nggtttaaan tnattgttg tttccgctt tgcttnaaan      780
naantattaa accatnnngc ccaggcccgga aggttggggg caaccncctt gtaaatncca      840
aacanttttt gggaaggctt naaaggtngg gaangaatca actttggggn cccaaggggg      900
ttgcaaagaa acaanccttg ggcnaacaat taaccgaaga acccccattg tnttaaaaaa      960
aatntttttt aaatttan

```

<210> 2261

<211> 906

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(906)

<223> n = A,T,C or G

<400> 2261

```

ncnaaacctt tgnaaactn tgnctttttt gcaggatnnn nttnnnnnang aantcgnnnn      60
cgaggctgct caaggattgc agggatttnt gcaagtggaa cagccctcgg naacctccnn      120
ttttgngcac gctccaggtc ccagtttcta tggcaaccat accggcaaat tgggctccgc      180
aatggttctt cctggaaaaa ccgagatttt ggttcccgcg gacgtctcta tggnttcgac      240
agccnaaaan gaacaaaacg gcatttccgg gaagatggcg gngcacagt caggctccgc      300
acatgtttcc ncggagcgga cccagcaatg acggttaagg gctcccttcc cccgaacggt      360
ggtagtcgga gcccggtt attagcaaac cgtgaganga gcagagtatt nttaccaac      420
cggcactggn gtaggagggc tggaaatttag ccctcaana gcaaggaaac cnaggaaagg      480
gcaancccg ctttttangg actcgtgtg aanaacgaann tgnacctggg gccaccttct      540
gaaaaaacanc agattgnact gnncaagggg gaccagtgcc ccgaaactgt gaantcacna      600
nggtttcaan aaaagacctg ggggcccga caagcnnntt tttccccaa gtttatccn      660
cccngaaaaa attccccgnt aaaaaggccc atttncctta aancatatg ccccaanttc      720
anncttttaa acaanaanan aaccaaattg ganatnggtt tttcctggaa ctttctggg      780
ccccgcctt accgtgcctt cgggantggg gcgggaaata aaaaaccgg gcctcttnaa      840
actttcaang ggcaatggtn anatttcaa attnaatgcc aaaaagggn ttnnngcccg      900
cctttc

```

<210> 2262

<211> 808

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (808)

<223> n = A,T,C or G

<400> 2262

```

acccatnnnn ncnnaannnn nnnnaccaa ggaaancnct aagccatttt ctctgccttc      60
tagaagctta taatgtactt tcctatnaca nagnnaata aaaacatgaa acctataaat      120
gggaatgcc aaaaagtattt tnatctctac aggnccatcc atgcagaggg catntattgg      180
gtgactgcag tactgcaaaa ggttgcaaa gaaatggaag atctgggtccc tgtaggttgg      240
gagtttacia tctaattaga aatacaaggc atatataccg ngaaaaaact agaatcccca      300
gctgtaagca aaaggatgga gtaggtggga gcattttttt cataaagaga gcnttgtcct      360
gnatgattgg tgaggacagg anaagcaagt tcagtaccaa tcaaggcaag agcacctata      420
tgtatccctg ctctatagaa tgatgtaaca nggccctcat tgtcacttgg ctgaaagtgt      480
cagctctgcc acctacaaa cctgggtttg aacctgnggc acatttttaa cctaagaaag      540
ggaatacagg tttgntcccg tgaaggnggt tggncnagtt ccaaagaaa attacaaac      600
cgtgaaaacc tcggtgaaa cttcaaatga atgtccnratn ccatnggagt ccctcaattg      660
taccaaactg gcccttttct gggtaancc tnaaagttcc ctcccccaag cctntaaacc      720
tggnaaaaaa ggcanggacc caaggcccg attggnatcc ntcaatgttt cncnaacngn      780
ttaacaaaaa gnggttcnnt ntngggnn

```

<210> 2263

<211> 976

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (976)

<223> n = A,T,C or G

<400> 2263

```

gncnntttga aacnntttnc aactnctgc tcttttgcn gatccccna tncctnttcg      60
nntanngggg gggaacctan ntggctcccc cncggcttt nttttccnt natggancaa      120
ttggaaggaa accnnttacc nntnttcena agggcccagc aacctgnanc cctntcatgc      180
ctnaatggtc tggggttttg ccccnaccng anangttttt ccngcagaaa agaaccnntt      240
ggggagccan cattagcccc aangatggac caaaaccacc tggggcctgc ccttggntcc      300
ttgccccctc ccttgcctta ctncattatt gccaaaaaac cccaantggg cccatttgn      360
gnccccntna nntnccaaa cctaccccag ggggagcctt gncctggcca nngcnnnnnn      420
ngnttttant aaaaaacccc aaagtgnct tncncncng gaaaaaaaat cttgtgggcc      480
tttgggcccc canagangaa acccaagtgg ggaanaaatg gtgggggttn tnccttggg      540
gggggatntc ggagcactcc caagtcccc aattgcccc agtccccctt cttctttnc      600
ngtggggaag ctcaactgtc tttccccagc agccacctgn ccttcttct tcttctaacc      660
attccctctt tcttgtctt tttccgcccc ggttccttca ctttaagccg ttttatttgg      720
ggggtccatt caagcttnc canccccntg ggccttccca agtccattcg ttnccacan      780
tagggggatt ccaacccca accgggttcc ccatgcccc gcnttgcgcc nccaannttt      840
tcaaggtnc ccnaggcccc gattcnangg accccancca angcccactn gggcccttac      900
cagngcccc tttccattnc ccngggggan ttttaattcc cccccccct tcnntaagga      960
nccacctctt ngcccc

```

<210> 2264

<211> 755

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (755)

<223> n = A,T,C or G

<400> 2264

ncgagatann nnaggaccta gaggttccc accagcacag tagccctaata gagcaattga	60
agaaaccagt aaccgtgtcc aaaggcacag caactgagcc tctcatgcta atgtctgtgt	120
tttgccaaac agagagtttt ccagcagaaa gaacccatgg gagcaacata gccaagatga	180
caaactctgg gctgcctggt cctgccactc ctgcttactc atatgcaaaa accaatggcc	240
attgtgaccc agagatacaa actaccaggg agctgactgc aggcaacaat gtagaaaacc	300
aagtgcctcc acgggaaaaa tctgtggcat tggccaaga gaaaccagtg gagaatggtg	360
ggtgtcctgt ggggattgag actccagtcc caatgccag tcccctctct tccagtggga	420
gctcactgtc tcccagcagc actgctnctc ctctctaaca tccctcctt gctcttcgcc	480
ggtactcact aagcgtttat tggggtcatc aagctagcag ccctggctcc agtcacgta	540
ccaagtaggg atcaaccaac ggttccatgc agctcgccac aaatttcagt cccaagcaga	600
tcaggaccac aagccagtgg cctcagagcc ctcttcagc ggatttatcc cccaccctt	660
ataaacaact tctgccgcca agcagcttgg cccgaaacac aagtcactta aggggctctc	720
caanattcac taaccaacn agggccatt caagn	755

<210> 2265

<211> 1147

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1147)

<223> n = A,T,C or G

<400> 2265

gnagccanga accctttggg aaaanncccc cggnnnnnt ttannaaann aaaannnnnn	60
nnnnnnnnnga nagagnnaaa gggnnaggag ggcgcnnaaa gnnggcnac naagaccana	120
atTTTTTTtn tcacccaaac gcnganncaa aaagagcncn nccagggggg gattcgnant	180
nagcaanaca cgcaaggggt ggaccccttt ntataaaaaa ccncgaanac naacgccacg	240
nggngncnng aaaanganac gngcccacnc ncnananng agnngeccac gnnccnaat	300
nncagncnnc gggaccgacc cagccaanga nccnncnncn gnaaccccc nganncnccc	360
cgaannncga aannacnng ccacaacaag accnannngna gcagcgannc angccccaag	420
nggcncnaac ncncaaaacc nccccacnac nccngaccnn nnaaccnca ncnaaaaaa	480
gcccnaacnng nggaccccaa nnaccacac ccagacaanc ncacaannca cggccccacg	540
tccccgcnc aagnnncnngn cccnccnagc cnnngncccc nnaancancn aanagacccc	600
nanccnncnc acnaaggaaa cgnncnngan ccnaaagcn caaacngnaa cacacaccn	660
accnngcgcnc ncgggtnagc anaccnncnc cncgcaccn cacaagagta ccgcaagcgn	720
annngnanac ngacanccag caaanccnaa cnnngcccc cnnagaaaag ncngacncnc	780
acccaagnnn canccgacaa cngnnanacc cccnnncgac aacgacancc gcccacagca	840
annncnagcg anccaccnaa agcnnnnngn acggngncaa aaaacancgn gngcnacacn	900
ngatntagca aacaanccca aaggnncacc nccgacgaga ccacnangna cagangcagc	960
gannccnnc cccgnagngn ccnaaagcna cnnangcng aaacgcgna gggnnngngc	1020
anggcacgnc ccganncaac acacgacccc anagnacgcn agnnngncnc nngcnganca	1080
cnnnacccan ccacannggg gcgagcgcgc agccagcgac gagtagncna caaacgnccn	1140
nccgcn	1147

<210> 2266

<211> 992

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(992)

<223> n = A,T,C or G

<400> 2266

tcgtgacct	ttgcaanctc	ctngnncttt	tngcaggaan	cnnnnnnnnn	nngnangtnn	60
ggnnnagagg	aaaaaaacca	ntnnaataga	aannttatag	gtcctccgcct	caggnaancn	120
gggctggnt	ttaattaagg	aanaaagccg	attctactga	ctgacgtatc	cccctgctgn	180
taanaatccc	aaccacacac	tttcacacac	tattccaggt	tctggccctg	aatgaccnc	240
agctgangat	natttgncat	cncnccactt	ctntttttan	cancnccaaa	nancatttcc	300
aaanaaaacg	tttttagctt	tttaacngcg	attcaccact	aagaaantgg	cncngngaac	360
agtccacaga	gcttattcaa	attncaccca	ttctacatgc	acncntttgg	tgncgcctgt	420
gannatntan	nctnnatcnc	atttttanca	ccctgcgnag	aacggnanna	aaancnggna	480
aacntacagc	caaganacca	gtagccnggc	tccggccatc	acnnnagnct	ttgcccatac	540
cnatccctnt	tanaggacca	tntttntacc	ntctngcnen	ccccanttcc	ttaanccnnt	600
gggaaaccna	actnaaactg	gnncctnca	anaaatcntt	ttttantttc	naaagaantc	660
tttaccntta	aaatncngga	ntcncgnaaa	ngnttttnaac	ccttcctggg	naaaangggc	720
cctnctccca	cntcccaatn	ttccaccttt	gcangaanaa	cnaaccnana	ggctnatacn	780
ctnccaattg	gntatatnta	antntnagcn	ataaancncc	ccccntttt	atactcnggn	840
tannancaca	agntacnctn	ttccnntaag	gntnangecn	aaacattacc	ctanagggnc	900
acanctaang	nacntattct	tcccgcnaaa	tgcgccataa	aaaccctct	cccccnttg	960
ggaaacnnat	acttnggggc	nggntnttcc	cg			992

<210> 2267

<211> 976

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(976)

<223> n = A,T,C or G

<400> 2267

gnttgaaaac	ntatacaact	acttgnnnnt	tttngcagga	tcccanngnn	nngggagann	60
gnnnagccac	ngnccnnngg	ncccnngnatt	tttnnncngc	nnaaggccnc	tcccngnggn	120
tttanttcga	nngggnnnga	naacatttnc	acccaaaggc	ccaggangcn	tnntagnat	180
ttgggcccga	aacnnacacn	ttcngattnt	acagcgctna	ttannannaa	ngatnaanat	240
gancaaaaagc	annnngtcaa	acnaattagt	accggcccgn	ccgngtggn	tnacncccg	300
aaccccaaca	gttcggggang	cccaggcggn	cgaatcacna	ggtcntgagt	tcnnaancc	360
gncncgaccn	atatgggtga	aacccccccg	ccccnctan	aaaaaacang	aanataancc	420
cgggnagngn	ctggccnccc	gcncgtagn	acctangcta	actcctggna	ggctaanggt	480
cagnagagaa	tccgctncga	atcccgngga	gggagnganc	gcccgcaggt	gangtcccaa	540
gcacccgncc	caactgncaa	catctcnccc	cntgggggag	nancannnac	ccncagcaat	600
ttcctcccc	ccccancaa	aaaaananna	aancggaaat	cnntgcanaa	acanantccn	660
cgaaggccnn	taaaccnct	cccccganac	nccaatttna	nnacacacgc	ancccccat	720
atccctana	ancttntctc	nttaccctc	aacaagaaaa	aaacnccnct	ctntnaanca	780
nnccccncca	cgggnanccc	aacaanntnt	tcnnaaat	ncgcggggca	accngcaagn	840
aatanngann	gaaccctacn	nttggangna	tnnnccntgg	gaccttcggg	gganctatcg	900
ctccncanan	cacacgncac	cntaatanaa	aaaannaaaa	ctccgcctac	accatncggn	960
ggagaacacc	actnng					976

<210> 2268

<211> 803

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(803)
 <223> n = A,T,C or G

<400> 2268

ngngnnnnnn	cnncnnnnn	ntccctgnt	taccaaagac	actcacatct	ttaatttttg	60
tgtttcgatg	gaagcacagg	atataattct	ctgcctcctt	aaattgttga	acgtgctgca	120
aagtttgaca	tttagaaata	gaactagggc	tgtggggctt	tggtccgtct	ttagggcttt	180
gttctctgcc	cttgcgta	cactcgtgtg	catgtgtgag	tgcatattac	acaggtgcat	240
gggataaccc	tactctttta	aggcagtatg	gaagtagcaa	agctgctgtc	tttgtctttt	300
cgggtgttgc	tgggtctctc	tgctcagcacc	atcaaggctt	tgctgctcat	tgcactcatc	360
cagcaggggtg	ctatcaggaa	gaaggagaat	gagttccaaa	aataaggtaa	cttatttcagg	420
cttcacattt	gtctctatgt	tgggaatgat	gctactctcc	ctgcctgcct	tgtggaatgg	480
ttataaanat	anaatgagag	gaagctcnga	angtgnatc	caangtgttn	caccntcat	540
naaacatnnt	cangnatgtc	aaacaaatgg	acttacgagt	caacctgact	gaagggcaga	600
aantctcaac	ncctatttta	ataagggttc	gcctgnggt	taatttggat	cccacntttc	660
ntcattataa	ataanaaggt	ggggnttgaa	tnacaancat	taaggggctg	gcgaataaac	720
aattttaa	at	tcntgggtcaa	cctttatgtt	aaaagaaatc	ttaattggaa	780
nttgccacca	ttaacaagg	ncc				803

<210> 2269
 <211> 935
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(935)
 <223> n = A,T,C or G

<400> 2269

agaaccttga	aancccnncn	ntgcngaccc	acgancnaat	cgnccnangg	tnaaagnaaa	60
ccaaccaggg	gtttttttga	naaaccaana	aggaaaggga	aggcggngg	agggcnaaac	120
ggccaanccg	cttgtaacna	ananccggg	ggaggga	aaaccggnna	anccagtnna	180
aagnnccccg	ggggccgaaa	aggnatgccg	ggaagaaacc	cnaccaaca	naanaaccca	240
tnggaaangc	cgcgccnaa	aangggacct	ggaaaccanc	aagcaancgg	ncctggaaaa	300
aaangggccn	ggaccangna	aatgggnac	caacngncca	aaaaaggggn	ccccggnaaa	360
anntnaaaag	cccaanaaag	taagganggn	naaggaggc	naagaaaacc	aaaccacgg	420
ggggggaaaa	agnntnccca	agccaaacca	agaanggaan	ggcctttngg	agccncnt	480
ggccccana	ccaanccctn	gnaagnggg	aatgncagg	ccccacann	ggnggggga	540
aanaaggccc	cancggaagc	ccnnncctc	ccaactgggc	ctggcccctc	cnctgggggg	600
gaaccaa	aacccgaaaa	agaaacnnc	nccaccccg	gncanggggn	canaagggg	660
gncacccn	acaaaaaccn	nncnngggtc	ncaagnggg	canggantcc	cccaaaggga	720
aaccccgga	cccctataaa	ncagnaaaca	anccnaagt	ttngaantgn	ngggggacnc	780
aaaaaaggga	aaaaa	aaaaa	aaaaa	canncccn	aaaaacaaa	840
agggnggcn	gcannaccg	gggaacccg	acnngganaa	ggaaccnccn	ggangaagaa	900
tggggcnaa	ccccacccn	cnaaggccng	gggan			935

<210> 2270
 <211> 656
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (1) ... (656)

<223> n = A,T,C or G

<400> 2270

```

ccccnctngc cttgnccgnt tatecaggat ctttngcatn ncatctgtcn ctttngctgt      60
nttgtaaadc ngttaccgtt atagtagctg gtctgaaagg ttgctggatg atcctaccaa      120
cagagaccat tgaatgccgn tcaaaatgga ctgaagcatc agcaatgtct gaaaaaaggc      180
ctgacngtaa tgtacatgtc aaatggcccc taatttaagc cagagtagaa gtaagtagaa      240
gaataaacat ggggaaagt ccagcaacan aggaggcttt gagcttttgc tcttcattct      300
gagtggatgt tgttctcagg tggtaatagg ccacgagct ttctccactg gctgcctctc      360
tggggaacaa ataaccgaa aagatctcag caccctggtt ggtacatagg tggtcagttg      420
atttatactt cctgggtttc agtgntgctt gaattttcta aatggaaaca cagtaccttt      480
ataatcagaa aacaatcccg agtttttgat ttgaggggtg ttgtaaaaag ntaaaaaaaa      540
aaaaaaaaaa aaaactccgc cctttnaaac ttttgggggg tcgttttccg tnnatccccc      600
ccntgttagg aatcctttgg tgagtttggg nccancccc ccnccttaac nnnntt      656

```

<210> 2271

<211> 671

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (671)

<223> n = A,T,C or G

<400> 2271

```

ntactcnaat agntnanta aacctnaact ngaatatntn aaatattgag caagcctngc      60
tggtgtagag nagcanccct gtctaaccgg tccaaaaaca atgtagaga cattaggaat      120
cagggttttg aaatcttttt ttccgattta ttgtgnattt acataccaaa aaaccacatt      180
aaaatagtc tcccttcaac atggctatct tttttcaagt tttatatgca tagctctctc      240
agcacttgaa tggaaaaact gttacagcat ttgggagttg tttttctttt agacatttgc      300
agatcttata tcaaggtgac taggaaccca gagctaagta tctgtgagga aatctctgcg      360
aacgctgaac ttacctagtt ggtttctatg aaatatgtag aatgcactgc agtagccatt      420
gnaagaaggt actataccgg ttttttgggg ctgggtgntg ttggttggtc tgagaatgta      480
ctgccaaccc ctcttttata aganagaact gattttgata catattttta aatatgatag      540
tacagagtta atggatgtta aaaatttatt tctttgnttt ggtaagtaga ttaaatcgag      600
aatcatataa tcagtncaat tgagaattat ataccnggat ataataatac tggacnaanc      660
atttgnctatc t

```

<210> 2272

<211> 758

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (758)

<223> n = A,T,C or G

<400> 2272

```

gttattcggt actcagcttg ctgcctgcng gtcgantctn atngatncna nttccgcacg      60
aggtgaaagc nnngcctcac gatccttctg accttttggg ttttaagcag gaggtgtcag      120
aaaagttacc acaggggcca gaacttccac cttgtgtgta attgtttcaa gtgtgtgacc      180
atacttgtca agaaagtcaa gtcttaccag ataactgaaa aacagctcca agttctactg      240
gcctatgctg aggaggacat ttatgatact tcaagacaag ccactgcctt tgggtctctg      300

```

```

aaggcaattt tatcaagaaa gctgttggtc ccagaaatcg atgagggtcat gcggaaagta 360
tccaagtggg cagtctctgc acaaaagcgaa cctgccaggg tccagtgtag acaggttttt 420
ctgaaatata ttcttgacta tcccctgggt gacaaattga gaccaaactt ggaattcatg 480
ctcgctcaac tgaattacga acatgagacc gggagagagt ccaccttga aatgatcgcc 540
tatctctttg acacgttccc tcaggggctg ctccatgaga actgcggaat gtctttatcc 600
ctctttgcta atgacgatca atgatgactc tgccacgtgc aaaaagatgg catccatgac 660
aatcaaagtc cctacttggg aaaatcacct cgagaaaaaa gaatggctgt ttgatatngg 720
taccacttng gttgggagca aaaaaccctt aaatagat 758

```

```

<210> 2273
<211> 731
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(731)
<223> n = A,T,C or G

```

```

<400> 2273
cttttgaccc nttaacaac cacactctat ggtgantgga atnnnaaat naaaaagnna 60
ntaaatggat ttggccaccn taaancacca nantttgaaa tgggtgantg agggccggag 120
gccttgatna aangggccct ttgnaanggg tngggngnga agggaaannt tnccggngng 180
gngtnacctg tngncttcc agnncanttt ttggcctnc anccntnct gcaggatgnt 240
caaaagnnnc ggcccctnnt ggggaaggta aaactgganc aaaccttnc caagggganc 300
attttcaccg ttacctgga agtctttttt tcccacctgg cttaatcagg ttncatattt 360
caagggtaaa caactaccac ttncaggata ngggaagtgg tgggtggaat aaganaacca 420
tgataccctg gaggaagggg aagaaccac aaancatttt tccttactgg aaaaaatang 480
ggtggacatg tcagtcaaaa ttcttgatca acttgaacc ttgagtttcc cagttaaatt 540
ccattncact anggagggag tttctatca aaatcctgcc agatttgaag aanctggttt 600
attagaaacca cctgtcgctt ttcaaagctg cttaaaaata agatctgcct cncctagag 660
atgatcatgg gcctgggtgg gccaaaaatc ccgngtttt ttaacctnt gcgattctna 720
ttgcagttaa a 731

```

```

<210> 2274
<211> 867
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(867)
<223> n = A,T,C or G

```

```

<400> 2274
tttacacgnt cgctgcactg tgaacctggg cctccgcgcc gatgccaccg gcctgtgggt 60
ctctgaaggg acccccccca atcggactgc caaattctcc ggtttgcccc gggatattat 120
agaaaattat ttgtatgaat aatgaaaata aaacacacct cgtggcaaaa aaaaaaaaaa 180
aaaaaaaaa aaaaaaaaaa aaannccccn ngnnccntaa aaaatttggg ggggtttttt 240
nccnaaaanc ccnctgtgt nnnntttttt gggggngnng ncnnccccc cntnnnaann 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnna tntnccannn nnnanttttn atnnnnnnnt nnnntnnnnn nnnnnnaata 420
nnttnnnnat nnnnnnnnt nnnntnnntn tantnnntn annnnnnnnn nnnnnnnnt 480
nnnttnnnn annttnnnn nnatcnatnn annttnnnn nnnnnnnnt nnnnnnnntn 540
nnntnnnnnt nnttnnnnn nnntnnnnnn tntnnnnnta nttnnnntn natnnnnnnn 600
nnnnnnacnn annnatntn ntntnnnnn nnnnnnnnn tattcnntt cnnnnnnntaa 660

```

```

natntttnnnn atacnnnnnn canntanntt nntntntntn ttnnnntntt nnaantaant 720
nttnnnnttag canntctnt tcnnnnnntt tatntntntt tntnnatnna tntnctttgt 780
ntnatnttn tnatntnta nnnancntn nannncnnt nnantnttn nnnnnannnn 840
ncattancta ttcncngtnc nanance 867

```

```

<210> 2275
<211> 759
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(759)
<223> n = A,T,C or G

```

```

<400> 2275
tnttatnecn tcagctactt gttctttttg caggatccca tcgattcgaa ttcggcacga 60
gatttgagga tctcgacctt gtccttccag caggtgctcc caagccacct ctgggcctga 120
gaataggcat cacatgactc tgtttaatcc tccgacacag caaggatgcc gggaagcagg 180
gcaaagtggg tcaagttatc cggcagcgaa actgggtggg cgtgggaggg ctgaacacac 240
attaccgcta cattggcaag accatggatt accggggaac catgatccct agtgaagccc 300
ccttgctcca ccgccaggtc aaacttgtgg atcctatgga caggaaaccc actgagatcg 360
agtggagatt tactgaagca ggagagcggg tacgagtctc cacacgatca gggagaatta 420
tcctaaac cgaatttccc agagctgatg gcatcgtccc tgaaacgtgg attgatggcc 480
ccaaagacac atcagtggaa gatgctttag aaagaacctt tgtgccctgt ctaaagacac 540
tgcanagga ggtgatggag gccatgggga tcaaggagac ccggaaatac aagaaggtct 600
attggtattt gacctggggc anaacaactt ccttcccaac ttctgtccca ccttgaagct 660
gaggcacttn ttttcagatg cccaataaag agcactttat gagtcaaaaa aaaaaaaaaa 720
aaaaaaaaa aactcgagcc tttanaact atngtgggg 759

```

```

<210> 2276
<211> 758
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(758)
<223> n = A,T,C or G

```

```

<400> 2276
gggccgggtc tgccntcata gacatgacca actgtccttc tcctcgatca cagaccaggc 60
agctggcatg aaagaggacc nnaagcaaaa tgagcctttt gtggccaccc agtcatctgc 120
ctgctgggat ggccctgcaa accattgagc gtaggatntg ttgcattatg ctagagcacc 180
agggncaggg tgcacggaag angtcaagt atgnttattn cttatcacia tgcanaagcc 240
gaaaattatg tcnctttaag aaatacctac ctgtttgna tgtcntatta aaaaacnaca 300
aanaaaagaca aatggaacan agaaanctgt gacccagca ggatgncnaa tatgtgagga 360
aatganatgc ccacctaaaa tcatatgtgc aanattatct cgaccttcca tangaggaga 420
atactgnan cngtatgctg cctgtngtta naagcaaatt ttatactttt aactggaaac 480
tntggggttt tgcatttaac catttaactg acggctaaat agccancatt tnttttttag 540
aanctnaaaa aaangcccta gnnctgtngn tttntaaatn ggnntatgcn nactcggnnc 600
tgncatgttc ccccccccaa aatgaatttn nttttgtnc gaaacctang gnnnacctca 660
ctnntttnta atncctang tanncctnct ctnntnctc cntnttaaag nccnaataaa 720
tccctnttn cnnngnnnnc ncnngcttta cggcncca 758

```

```

<210> 2277

```

<211> 1212
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(1212)
 <223> n = A,T,C or G

<400> 2277
 ngncntgatn gaacgtnacn gantgnngnt acgtatatgt tngatntgtg atnntgangt 60
 atntnnanag ngtagtgnt gnttatgcga tnttattata nccnccnnta tgntagtagt 120
 aacnannata nntagagtan ttgngnnnat ngggngngng agngtatatt tgagtcatat 180
 gtannatgaa ncagaaacat ctncnanant ntacgcatgn nnntngngnn cngagccnnt 240
 atgatanntg atgntnacga ntgcgtanttn ngatntantc cncgtntngg ttntctgtcga 300
 nmccnagtna nnttanatgn cccgnnngcn attaacnnta ntannnggnnt angtnngtgc 360
 gngnagtnta ncnnaanta cnagnanann atnnaggcnn tattnnctaa nnnacgnnt 420
 ngmntttatt nantgtgtna nnatgggnagg aggagtacnn nnnatnattg cngtnngntn 480
 gangtnntag anatgtntnt ncnccacnnt attgcntang ntgnanncgt tnantagagt 540
 anacntnccg agaaggtacg canctnatth antncangac aatgtngggc gtcncgntaa 600
 tntngnntan ganntccgag tnttgtanng ancgtcatac cnatngnngt nngcntntaa 660
 nntgatgcng atgacncnng tncagtnnnt aatatangan nantcngtag ggtcncctatn 720
 tngttnatan tgnagacnc acantataga gngantatac tgaaatnntg gntngagana 780
 natatatnag nntgtgttat ntggcnnnat ngncatatac atgatagnnt gcgatnacta 840
 cgnagtgtgg gaacgctaca cgcgtaggnt tgcgtcnata tgnntnnctc gcgnangtgt 900
 nttttctcgc tagnatngtg agtgaatgtt ncncananna anggataatn tntngtancc 960
 cagcatntga cnangangat agataccgca cagtatntat ncntgtatgt gtgtgtntctn 1020
 gngcntantg atcgcnagta tntngcntct nactactaan nnatnactnc gncgtacnca 1080
 gggananntn cgaaagngcg cacnntatng aacgntanaa cgtgcngant agatgtntcg 1140
 acnnncncat agnncntgat gtacaagtga tcanntgaan nngtggannc nccatgntnn 1200
 atnagnntng gt 1212

<210> 2278
 <211> 771
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(771)
 <223> n = A,T,C or G

<400> 2278
 caccncgntc gantcggcac gagatgaacc atctgctttt aatgattttc agaggccagc 60
 cattttattac atgatgtcat tcagtgtattg gtatgagatg caagatgctg gaattacttc 120
 agactcaatg atgaagaact tcttctttgt gccttcttgc attcagctga gccaaagaaga 180
 cagcttttcc gctgaagcct aaacaggcat taacgcttct ttagatctga agttgcagg 240
 taagcttgtc tggcaacat tccagtgtgg aaaaataatt taaacaatct tattctctta 300
 attcttttgg caacaaaaac tattagtaat agctatttgg gaccagacaa aatcagcttt 360
 catctataat tcattgggga taatgggaga ttttaagataa tgtatccaga tttaaacctta 420
 ccagtttggc tacccttan gcgttataaa taaaatagc aacaaaatgg atgacttaat 480
 tggagatggg aagcccatta attgggttcc ccattaaatc ggttacatac aaagaacaca 540
 gtttttatac taaaggattt tngggttaaa ggccttgtna aaggttcatg tcttttcacc 600
 cagaattttt caaaatggtt agaagaacna gnnngggact ttctttaana ataaccggtt 660
 tangtggnat ttttaagaaa gngggtnaaa tttnggcct tttgaacctg ggagttttna 720
 ataaaatggn naaaaatncc attcataanc aatttnggtg gancctaann g 771

<210> 2279
 <211> 733
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(733)
 <223> n = A,T,C or G

<400> 2279
 accnccgntcg anttcggcac gaggggtggc ctgtccagct cagcaccctt ggaagtggcc 60
 acgtacacct tctccagca gctctgtcca gactcgggca caatagctgc ccgcgcccag 120
 gtgtgtcagc aggccgagca cagcttcgca gggatgccct gtggcatcat ggaccagtcc 180
 atctcactta tgggacagaa aggccacggc ctgtctattg actgcaggtc cttggagacc 240
 agcctgggtgc cactctcgga ccccaagctg gccgtgctca tcaccaactc taatgtccgc 300
 cactccctgg cctccagcga gtaccctgtg cggcggcgcc aatgtgaaga agtggcccgg 360
 gcgctggggca aggaaagcct ccgggaggta caactggaag agctagagct gncagggacc 420
 tggtagagca agagggcttc cggcggggccc ggcacgttgg tgggggagaa tncggcgcac 480
 ggcccaagca agcggccgnc cttgagacgt ggcgacnaca gaccccttgg ccgcctcatt 540
 ggtggagaac caccgntcan ctcananacg actatgaagn gaactngcca aaacttgacc 600
 aacttggtga aggttgccct tgcttgtgcc nngggtttat ggnaagcccc nttaacnggc 660
 ngtggnttcn gtgnntnanc ggnananttn ttggangcct ccctttttcc aaccntngg 720
 ganaatcaag aat 733

<210> 2280
 <211> 734
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(734)
 <223> n = A,T,C or G

<400> 2280
 ccntcgnatc gancggcacg agaaagtga tatecagttg gtaacgcca gaataccaga 60
 aattctggaa atccatgaag cagcagcata agtggtttgc ctctttctcc agcagcaaca 120
 tagtgaaatc ttaaccctga atccttgat tcttggcggt accaactgag agaattttaa 180
 agtgaatata gagttgtagc actggatttg agaggttatg gagaaacaga tgctccatt 240
 catcgacaga attataaatt ggattgtcta attacagata taaaggatat ttagattct 300
 ttaggggtata gcaaatgtgt tcttattggc catgactggg ggggcatgat tgcttggtta 360
 attgccatct gttatcctga aatgggtgat aagcttattg ttattaaact ccctcatcca 420
 aatgtattta cagaatata tttacgacac cctgctcagc tggtgaaatc cagttattat 480
 tacttcttcc aaataccatg gttcccagaa tttatgttct caataaatgg atttcaaggg 540
 tttgaaacat ctgtttacca gtcacagcac tggcattgga agaaaaggat gccattaac 600
 nacagaagga tcttgaagct tatatttatg nctttttctc acctggagca ttaagtggcc 660
 caattnacca ttaccgaaa tatcttcagc ttggctggcc tntcaaacat taaaatngng 720
 gccacttcc ncnt 734

<210> 2281
 <211> 766
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(766)
 <223> n = A,T,C or G

<400> 2281

accncgatcg aatcggcacg aggtggaaga agaaaagntt cctacacanc tgagcaggca	60
tattaagttt ggtcngaaat ncatgtggag tgtgctcgat tttctccaga tggtcagtat	120
ttggtcactg ggtctgttga tggattcatt gaagtatgga actttactac tggaaaaatc	180
agaaaggatc ttaagtacca ggccaagat aactttatga tgatggatga tgctgtcctc	240
tgcatgtgtt tcagcagaga tacagaaatg ttagcaactg gggccaaga tggaaaaatc	300
aaggtgtgga agattcagag tggacaatgt ttaaggagat ttgagagggc acacagtaag	360
ggtgtcacct gtctaagctt ttctaaggat agcagtcaga tccttagtgc ttcttttgac	420
cagacaatta gaattcatgg tttaaaatct gggaaaaccc tgaaggaatt tcnnngccct	480
tcctcctttg ttaacgaagc cacatttaca caagatggac attaccttat taagtgcac	540
ctctgatggc actgtaaaaga tcttggaaata tgaaaacccc cagaatggtn caaaatacct	600
ttnaaatccc tgggccagcn cccgcaaggg acaagatatt taccgncca ancagngggg	660
gaatctaact ttcttataaa acccttggac cactttgtg ggtggtgcaa ccaanaanca	720
aaaaccccg nggggtcatt ncatgaacca tgccanggg gccana	766

<210> 2282
 <211> 1226
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1226)
 <223> n = A,T,C or G

<400> 2282

aagaacggnn tttnaangnn tntttntntt nangganant gtagntaaa ttcatttntt	60
aattngaacg acnccgntnc nacngtatct tgaattangg gtnggtggaa ggcncccatg	120
tcnacanatn tnacatatat nttatattnn canntngaca natntaattn tttncangct	180
gaacnatcgg ggggggggng agnngatcct atctcggtan tggatgagnt tnantcgcgn	240
cnatcnntct ccgnatatct aatntttata ntngatcgt tgganngang natntacnat	300
atnatatnga ntntgtacca ttnntnacga tcnaatgtnc ttannnctna antttcncnc	360
gncnggncat anggntcnnt nannnnctng tnnantccgc aatgatagnt atatgntnnn	420
naanntgnng ncanntnng naccatnctt ncnnngtttg ngcgctant tanncananc	480
ncatnggant ntatnananc ccnctggggn ntntaaaagn tatangcna nntntncng	540
ctnantnggt tgnncnatnn nnnnanttnn aantaacngg gnatanntcg ctgcactega	600
tttanncnc cgnnnantna ntgnncncn tnnntnnngc aangatnaca natgagtnnn	660
agnnnnngtn nntatttnga caatntnctg ncgacgcngn ngatcntnta ttntgacata	720
tgaggnggca anttatgcgc agntnttcca ncnatangat attcgnatna acatngtggt	780
gtatgcnana tcncccnang anantcgtt nntatntann tnnngctacac ggcantntnt	840
nacataccca tcnnnannat nnnncncnnc nacgntngcn agntcgaac acatctgcgn	900
ggttaancgt ngagacnctn ncgnnataga ntaattagga ntgctcaatc atcngcactn	960
tatgngegta cgaacgtatn tgtatatntg agtnatagt gcgatatgcy attgtntna	1020
tatnccnactn tgatcatntg tatgagtac nanngtngnc ccgatatgan gngnggttng	1080
nnaganatat cgaatatataa ngtgtntgcc gtgacngagg tgcgtcgaant ncgagctcgc	1140
gtgntnggac anggtatag ntngcgtaa agganttgac gngntcgca tgatgtannc	1200
tacgatntnt gagtgcnaa cagagt	1226

<210> 2283
 <211> 1327
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1327)
 <223> n = A,T,C or G

<400> 2283

ttgggggggg	ggggcnaana	ccgggccnnt	tntaangttt	ncnagaaaaa	aagngaaatg	60
ggntagactc	ccttttccgg	agtnnaatnc	acngannagt	nnggcngaac	gggntttgtn	120
tnaaanttta	tnanacncgc	cncacncna	tcagtnaata	tcggccnncc	ccccattnta	180
tgtaaagcag	tnntatattn	gtggatntna	ccccccccc	ngccnctag	ntgtgttatg	240
cgcattgcacg	ataagtgnng	ggggggnggn	ggtctannta	tctatttnca	cacnccgggn	300
atgataaanc	gncgtaagng	gttctcactc	antntgagtn	gggtatataa	tatatannat	360
tatccanncg	tncatnanaa	tggtacgc	nncgtattga	ttttgnatnc	accnccgtnc	420
atatnctncc	gcgcaccact	aggtcgtgng	anctaacnna	cctcacatcg	cttctgggtg	480
gnctnnntna	ngannccgnc	gaanacttcg	gatataantn	annatgacag	ntatncttna	540
ttngtgccca	nnaaannta	nncngncann	tatctctnct	aaatantggg	annagactcg	600
nnttgatatn	tanctcngt	natgttcnga	tctnnccatt	cnaacnaggc	tacttannaa	660
accnccnnng	tgannntgng	tnctntntnn	aannangntc	ncntatgtnn	ngnnntcccc	720
annnnacnan	cnnatnntcc	nnattatgtg	ngangggctg	naaangttnt	nnannnntc	780
tannagctnn	ncantgannc	gngcatngta	cnnnangaac	ntatcgnctn	cnntnntgtg	840
aanttnnccg	gntgacnant	ncnntggtnn	agcngcncac	cncttngaac	tngtctnctc	900
ctaatnccct	gnnngatngg	ntatatnnnt	tgtnctcgn	ntggganngt	ntattgtgtg	960
gcntatctat	anatgtgccc	ctcgtcgaga	cnacgaggtt	gtatnctgnn	aannagntnn	1020
attgtggngt	nnaatangcc	tnagcnnaaa	aatgtgnnna	acacacnatt	tntgtaacac	1080
nactcgtntn	ttgtntntna	ccncaanaga	ngccgngggg	agtnntntaa	ntnnctatgt	1140
ggggtctata	ctcacacngn	ggnanacngt	tantcangat	gacgaganat	ncactnggca	1200
cgtgngngaa	ggncacagnt	tactatgttg	nnaaganana	gnaagcgata	tctctcctcg	1260
ncgatgtctn	ataccnnngc	nnccgtanat	ataagngant	gtaggacntn	actaacgnnc	1320
cacnct						1327

<210> 2284
 <211> 734
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(734)
 <223> n = A,T,C or G

<400> 2284

accnngntcg	aatcggcacg	acctccatga	aggatatttt	tggagtcgta	ggagttacat	60
ctgctaacat	gcttattttc	attcttctct	catctcttta	tttaaaaatc	acagaccagg	120
atggagataa	aggaactcaa	agaatttggg	ctgccctttt	cttgggcctg	ggggtgntgt	180
tctccttggg	cagcattccc	ttgggtcatc	atgactgggc	ctgctcatcg	agtagtgacg	240
aaggccactg	aaaccgcgcg	agaaaaagaa	acatccctgt	tgtctgctca	gtcaagtccc	300
cacacatcag	caatctctca	ccacttcttt	tgcaagttta	cagaagcaaa	cagaaatgta	360
caggatactt	aaaatggaat	aacttttttg	ttgcaaaaaca	gagacatggg	tctataatgc	420
ttcatgtccc	tccaagattt	gagatcaatt	tagggattgt	gaattntttt	tttcaaattt	480
catacaatca	tatttcccag	tactttncac	aatcattttt	tacccatcta	actctatgtt	540
ttgnggcttc	ccggtctctt	agaactttga	aaacatgata	taccaataat	gntnatttat	600
tatccatccg	gattctgaaa	taattttcct	actggatggg	tnagctcaca	cttatctgna	660
ccttttttaa	gaaganaaaa	agantcttga	attggatata	tttatttcgc	tttacagaaa	720
aaaatggggt	ccca					734

<210> 2285

<211> 719
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(719)
 <223> n = A,T,C or G

<400> 2285
 acctcgnctg attcgacga gccagagca ccacagccgc aggcgccccca gcaaccacag 60
 cagcagcagc agcagcagcc accaccatca caacagcctc caccaacaca gcagcagcca 120
 cagcagttta gaaatgataa caggcagcag ttcaattcag gtagagacca agaaaggttt 180
 ggaagaagat ctttttgaaa taggggtgaa aatgaccggg aacggtatgg gaaccgtaat 240
 gatgatagag ataatagtaa ccngacagag agagagtggg gaaggaggag ccctgaccgg 300
 gacaggcaca gagacttggg agagagaaat agacgctcta gtgggcatcg agacagagag 360
 agagattcta gagatagaga gtctcgtaga gagaaggaaag aagcccgagg aaaggaaaag 420
 cctgaggtga cagacagggc aggtggtaac aaaaccgttg aaccttccat tagccaagtg 480
 ggaaatgtag acactgcttc agaacttgag aaggggggtgt ctgaggttg cagtcctaaa 540
 gccttctgaa gagttacctg ctgagctcct catccgttga acccgaaaag gattctggct 600
 taacagcaga agctccttcg ttaganactg gaatttgtga aaatgtnaca gtgacctttc 660
 tggaaatgtaa ncttgangtg tcaaagtctg tatttttatcc nntcctttgt ctgnagccc 719

<210> 2286
 <211> 764
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(764)
 <223> n = A,T,C or G

<400> 2286
 nntccttctg tntentcaag gtnttntnt cngnatatt gcagtngca caattgagag 60
 anccaatggn ctgnncaatc gccncataga gganannnac atggnnctgn naggaatggt 120
 ggttggtgat ganttacata tgntgggaga ctctcaccga gggatatctgc tggaaacttnt 180
 gctgaccaag atncgctnta ttactcngaa atcagcatct cgtcaggcag atctanccag 240
 ttctctgtcn aatgctgngc aaatcncngg gatgagtgt ncccttcccta atntggagct 300
 cgtggcttcc tggctgaatg ctgaactcta ccataccgac tttngccctg naccgctttt 360
 ggagtcagna aaagtggaa atcccatana tgactcttcc aatgaaactt gtgagggaat 420
 ttgancccca tgctacaagt gaaggagagc gaggaccatg ttgcnagtn atgttatgag 480
 acnatntgtg ataacnattt cncattant ttttttgcen atcaaagaaa cgggtgtnga 540
 aagcctggca tatntcattg cnggagaant ttaatnacct tacattnatc aaacngnngg 600
 ggantggngg aaacccttn tgaatgccca ccccgtnatt tnttgaaaa aaaaaagann 660
 ttntttgaa nctnnnnggg gaacaaatat annaaacct tcnnectttt angaacnggg 720
 nacnctgtc ttaaaaanaaa anttgnccac natggggggn cnnn 764

<210> 2287
 <211> 995
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(995)

<223> n = A,T,C or G

<400> 2287

cnnccannnnn	nnccnactgcn	nnnnnnnnnn	atancgaann	ncntanannn	nnantnntct	60
nnctntnnnt	cacnnaannn	nnnnnctnn	cnnancttnn	nnnnnnntn	nnangnnan	120
ttnnnttant	ttaatgcntn	tnnnntnann	ntcgcgcccn	ncntcncatn	nncccentcn	180
ctccccnnan	ntnncaagng	tnctttngna	aantcangnn	ngattntanc	ttcngtnccc	240
ccccccctc	tannnttcgn	acctgcaggc	atgcaancnt	tgagtttttn	tataggggta	300
cctaaatagc	ttggnggggg	cattttcata	gctggantcc	tgngtgaaaa	ttgttatccg	360
ctcacaaatc	cacacaacat	acgagccgga	agcataaaag	tgtaaagcct	tggggtgcct	420
aatgagtgag	cctaactcac	attaattgcy	ttgcgctcac	tgcccgcttt	ccaagcgagg	480
aacctgtcgt	gccagctgca	ttaatgaatc	ggccaaccgc	gcggngagag	gcngtttgcy	540
tattggggcg	tcttcgcgtt	cctcgctcac	ttgactcgct	tgcgctcggt	cgttcggctg	600
cgccgagcgg	tatcaagctc	actcaaaggc	ggnaaataac	ngttattcca	cagaatcacg	660
ggggataacc	gcaaggaaa	aacattgtgg	agcaaaaagg	ccaaccnnaa	ggccagggaa	720
ccntaaaaaa	gggncgcgtt	gcttgcggtt	tttccattag	gctcccgccc	ccctggacng	780
agcatnaaca	aaaantncga	cgcttcaant	caaganggtg	gncgaaaacc	cgacaggant	840
aataaaagat	aacccanggc	ggtttncccc	ctggaaaagg	tcctcccatg	ccnccntccc	900
ttgntccnaa	cccttgccgc	ttaacccgga	ancttgccng	cnttttttnc	ttnnngggaa	960
ncgtggggcg	cctttctcan	tagctcacc	ntan			995

<210> 2288

<211> 758

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(758)

<223> n = A,T,C or G

<400> 2288

natattcgat	caagctactt	gttctttttg	caggatccca	tcgattcgaa	ttcggcacga	60
gtggagaggc	cttgcaaaaa	tggctcatca	cgttcaggcc	ctccgggctg	agttgtcagc	120
agtatcaagg	gaggggcctg	ctctatcccc	agaaggatca	ggatcatatc	caggatgccc	180
cacatacacc	aagccaggca	gagggcagct	cagctcctgt	cccatctgct	ttggatatct	240
ttacccaaa	gcaggtaac	cgaagagcca	gcctccactg	cccacagagc	caggcccagt	300
tgtgttgagg	tataggtcag	gagctgtgga	aggaggcagt	ctgtgaggga	ctcatgcttt	360
aggagtctc	accctcaga	ctgctgcagg	acattgccag	gcctctctcc	acttcttcc	420
tcagcataca	gacttcatgc	tatcttccaa	ttccggggag	tcttagctat	tagggcagtt	480
tctgcttctc	cattttgggg	acaaaggcct	tgcccagtag	aaatctagcc	ccttgtccca	540
cagacttctg	gatggtataa	acctagtggc	aatgtancaa	ccataggcta	gaaccaaacc	600
caagatttgg	gtcagtgccc	tggtaaagg	ttttaggatt	ggtaaggaca	ccacagctaa	660
atctgacatg	taaaaggata	cccttccctt	gtccactacg	ggtggaggct	aaggacctcc	720
tcaaattcca	caaatggct	ggtgacattg	gcacaagg			758

<210> 2289

<211> 728

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(728)

<223> n = A,T,C or G

<400> 2289

tttntcntt	ngcacatgtc	taccagaaa	ttttgttct	gacctgacgc	ccaccttcta	60
tgggtgccatc	aagaaacctc	ggcaccaacc	aatgcctgga	tgtgggtgag	aacaaccgcg	120
gggggaagcc	cctcatcatg	tactcctgcc	acggccttgg	cggcaaccag	tactttgagt	180
acacaactca	gagggacctt	cgccacaaca	tcgcaaagca	gctgtgtcta	catgtcagca	240
aggggtgctct	gggccttggg	agctgtcact	tcactggcaa	gaatagccag	gtccccaagg	300
acgaggaatg	ggaattggcc	caggatcagc	tcatcaggaa	ctcaggatct	ggtacctgcc	360
tgacatccca	ggacaaaaag	ccagccatgg	ccccctgcaa	tcccagtgac	ccccatcagt	420
tgtggctctt	tgtctaggac	ccagatcatc	cccagagaga	gccccacaa	gctcctcagg	480
aaacaggatt	gctgatgtct	gggaacctga	tcaccagctt	ctctggaggc	cgtaaagatg	540
gattttctaaa	ccactgggt	ggcaaggcag	gacttcctaa	tccttgcaac	aacattgggc	600
ccattttctt	tccttcacac	cgatggaaga	naccattagg	acatatattt	agcctagcgt	660
tttntctgtt	ctagaaatag	aagcttccaa	agtagggaan	gcacttgggg	ganggttcaa	720
ggcacaat						728

<210> 2290

<211> 1460

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1460)

<223> n = A,T,C or G

<400> 2290

agcggnncgn	nnnncgggga	agnnnnannn	agnnaangng	nnnnangngn	anannnnan	60
gnngnaaann	nnnngagcnc	ncnnngngnn	nnacaangng	naaggnncag	aangggan	120
ngcaacgnag	nncgagngng	cngnanaagn	aannaagnnn	ggganngnag	aanagagagc	180
agagnagann	naacggcggc	nnncncnna	ngttnnnnga	aaccccggtt	gnnnaaaacc	240
acccaganna	gganaaagaa	gtagagcnac	naaanagcna	gncngcngag	ncnggnanna	300
anangaannn	gggggggngg	gggggggggg	gaanggcnaa	cncttttnng	nnacnagggc	360
aagggnaanc	cgnagnngcan	nggnnggggg	ngggnnacac	naagcnagna	aacnannnna	420
taaangngga	ngagnagnng	gnnaacgggg	gnannaaggg	nnannnggna	anngnncgag	480
aanagaaggg	ngganngncg	nnncanaagg	ngggcagana	gggaaggcng	gaaaaaggga	540
agganaccna	tggggganga	gaaggagag	nnnnnnnagg	ngcanaggag	cagaancgca	600
anncganaag	ngnnnnnggn	cngancgana	aantngnnng	gaganannng	ngganccnng	660
ggngnagann	gnaaacncan	gggancnana	ggcaangngt	gcngngcngc	nggaagnnnc	720
ggaagagncg	cgatcgngn	gaacgcngag	cgagancag	ntcggnnaagn	gagnncgnag	780
gcaacgggaa	gaagagcgga	ggagnacnng	aatcgcnag	aacgcggagg	agcgcgcagg	840
angngcggga	nnngagaaca	gaacgnatgg	aaggganngg	agaggganan	gngagantca	900
aagcatgang	acagaaacac	acgagagang	nnccggagaaa	angacgagga	gngnggan	960
anangngaang	agacnnnnag	gaanagangg	gnangaaagg	gaatggagaa	agnanngag	1020
gananganag	gcnggcgaga	gcgataaacg	cngaacgcna	nngaantnga	gnaacacacg	1080
cgngcncacg	cncgcacnga	ccacnganng	agacgnagca	tnngagagag	cggnnaacng	1140
cngacgagac	acantcaaga	nngncgnanc	cnacggcgan	cgngnggaac	angrntngac	1200
ganangcacg	aacgggagcg	aaagntncng	aaangnnann	gantagaagc	agaancgnaa	1260
cngnaagggn	ccaggcgnaa	aggntnggcc	cngcaagagn	ngagcnnaga	gganangngg	1320
aaagangcgc	gggnntgann	cncaaccgac	cgnggcgann	aganntnncg	cnagggnagg	1380
nnanggatga	gganaaacnn	naggggagnn	ngnatagnga	agccagagaa	gcaggcngcn	1440
agangnagnn	ngangggacn					1460

<210> 2291

<211> 1412

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (1412)
 <223> n = A,T,C or G

<400> 2291

acncccgnt	cgaggncaa	tgngncngt	anaannann	ggnnnnaaa	naaanngtga	60
angentanta	cnngcgann	nngngttanc	tacgtangan	gaaanggttn	ncncngctgc	120
gagnagctaa	nnnnncgga	ncnanagnan	nannnggatn	cganatagg	acgaaggana	180
nngaatecgn	nagacngang	nngaaantgc	gnngtncnn	cnccacnc	nggttntgaa	240
aacccccgtt	atacgcccc	ttctttcttc	cganggacac	agngcagccn	cntnaccccc	300
cgctcncact	ggagaaaatn	gtcagaggag	ccncgggng	ggnggggng	nggggcgnc	360
natgtnttaa	anttttgng	angaacgcag	tnntggagg	nacnagcatg	cgnnangncc	420
atanantcgn	angggancng	gcagggatgg	catctgntna	cccccaaccg	ancgacgccn	480
nnaannccgg	gngnaccacn	gngnccacgn	ccccggangc	annanaagcc	angnaggccg	540
ncnaggnna	nnannntngg	gcacnanann	caggangacn	gnaggagncg	ngccngcana	600
annangngta	cnngnnacga	naannanngc	cggaagagnn	ncgngatac	nnccgnagan	660
cnganaaang	ngnannanaa	tagcnnnana	ngannagacg	nnngnccntc	natgnagaan	720
gagaaancan	acntggacga	nncntngnag	ngatgggntt	gcatnnccac	ngggtncac	780
nncnnantca	tnngnnangnn	cgaaagnngn	gangaaanag	cagggnntnt	gnaggncaaa	840
tgccgacnnc	nnnnggggta	ngcgagaatc	ggaanacenn	ctngangggg	nnnaccgctc	900
nagtcntcgc	gcncannnna	gnangggngg	anagacntat	ntagangncg	accantnnan	960
gacacngang	ngcntntgan	tnnnagagac	atagatcagt	nganangtan	cnnaatgcn	1020
tctcanagag	nncaanaaaa	cggattngga	ctntatcatg	tgngcagng	gnnaanaaan	1080
aaactcntnc	gcgagnatgt	nttgcgnttn	aanncgncga	tactnangta	agaaananac	1140
nccccgtana	ngngantnat	cnacgcnnng	gnngcaaga	aaaanacctn	gaaanaagan	1200
gggaaagnna	ngaattngga	cccgatgcaa	nganacngt	ctaacgnaca	aggtgacaca	1260
acncacgagn	cgatcgaaat	cacngtcacc	ggcaaacg	nggnnttct	caaaangggg	1320
ngatantac	gtgctcacgc	ganngggaca	natanannga	ctgantgtna	agagcanaac	1380
gaccatgctt	canacngggg	nganacccgc	gc			1412

<210> 2292
 <211> 775
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (775)
 <223> n = A,T,C or G

<400> 2292

tggtattcgt	tcaactcttg	ttctntttgc	gcngctcnc	anngatcccc	natteggcac	60
nnngtgnctt	ctgtggaaaa	aanattantt	ctttaccatt	gcancgttct	gccctnggtc	120
caaatgttac	caanntcact	ctanaatctt	ttnttgcttg	gaagaaaagg	aananacaag	180
aaaagattga	taaacttgaa	caagatatgg	naaganggaa	agctgacttc	aaagcaggga	240
aagcactagt	gatcagtgg	cntgaagtgt	ttnaatttcn	tcctganctg	gtcaatgatn	300
atgatgagga	ancagatgat	tcccgtaca	cccagggaac	aggtggtgat	gangtttang	360
attcatttga	gtgtaaatga	catagattta	nccctgtaca	tccaagaga	tgtatatnaa	420
ncaggatatta	ctgtanccag	tcttgaaaga	ttcaacncat	atacttnaga	taangatgaa	480
nacnaattaa	gtgaancttc	tgagggtang	gctgannatg	gnnaatnaag	tgacttgac	540
ngaggacanc	nnanagggag	ngaacggaan	atggngccac	tagatgctgt	tcctgtttga	600
tgaanatctt	ttcactnnaa	taaggatttg	gattganctt	tagaacaatt	nnattacact	660
tggttttgan	naaatgacac	cnttcacttc	gcttgtnaaa	nattatgtca	actcatcccg	720
agttgaaatt	gnctacatta	ntttctttcc	accttgnatc	aactgatgnt	ttttc	775

<210> 2293
 <211> 1186
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1186)
 <223> n = A,T,C or G

<400> 2293
 cgncgngann gnanngggng ngggcngcng gnnngnngang nngngnngan gannnnngcna 60
 nngcnnngcgn ncnagcgcnn ngangcgnng cncgcgngcn nncngncgcg cnnnnngnc 120
 gncgggnngc gggggnnang nngagncnn gngcggncnn nngcgggnng nnnncngcngn 180
 nngannnnca ngcnnacccc ccnnancnng agnganncct tcgnaacnac ccggccgngg 240
 ancgnnnnagn nnncccccnc cccngncnnc gcggnncnng gcgggggggg ggganacact 300
 ttttgngcc cagnnggcca cggncgcnc ggggggcnnn nngaacganc gcngnnngnc 360
 nangggccga cnnngaaacc nccccggggg ancnnngnnc ggcnngngacg nannccnnc 420
 acngaggacc ggcggtgcgc cggggcaaga nggnccgna gccgcancan gngnngcagn 480
 angggccggc cgcnggggca cnagncnagn ggcgcgcac ggncccgan ccgaagcagg 540
 gggaggancn nacngcgggg anaagggcc gccagcacg nggaggcag gtnggcctc 600
 atnggancn nnnaccnng angaggnan gnnngcncn caaggggggn gnnnngang 660
 agcccgnnc gnncccaagc tgcagccgc gcgggggnng gcncnncn cgggggggga 720
 ngaccnaaca gcgcncncg cggagacnnn ggangncnac aggnccccc cgcgggnnt 780
 ggggcganca acgncggng nggggccnca gngaccgca ggangcagac accnccn 840
 ncgggggnnn ngcngcccg gnnccgccc gggagancg gcncncangn agngggaaac 900
 gccgcnggn acccgcgc anagcgcg cgcgnnanag acccgngan cccnngggng 960
 aanggcggan acacngggng gggnggggtc tngcgcnnaa ncnggggcgc tgcancnncn 1020
 ngccacgcac ncggcgcnng nggcccgcg cgcgcccgan gancngagca ngggnggnag 1080
 ccgcccnnac cngnnncgc gccacgccag cggncgcag nagnncctc gggggcgcn 1140
 naggcgcna ngcnncccn ccgcngggg gncgcgcnc nggccg 1186

<210> 2294
 <211> 1338
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1338)
 <223> n = A,T,C or G

<400> 2294
 anaaccnncn gngccgnga cgnnnnnan gaaaaacnng nnnngannn gggaangagg 60
 aaaaaangaa caannnaana ngaacannng ananggaan gnnnganga ngaaangcgc 120
 aggaaanang nncaaanang gnnngnngann nnnacgagng agggnacgca gagaannna 180
 acgnanacgc gnnngnganc gaangaanat cgnagagana ggnacagaaa gnagcnnacn 240
 acnccnnccc nccnngntg ggaaccccn cgtttgggna aaaaccccc nngnngagna 300
 nggaaanaac anngcngaga gnanngaanc ggaagngna aacaaangna gnnngggggg 360
 gngnaagnnt tnttttnnaa tannagagan nggacnggga naaaagngg agnaanggaa 420
 aancannnaa acncanaagc gnnntatca nagcgacgn nngagaanna cgaacangnn 480
 nacgnaaann ngnaantagg aaganngnnn aaanngaaga nananggaag nagccgnnaa 540
 ancgaangng aanannacgg gagacacgan naaannann ncacnanna tagnaatatga 600
 agaggnnagg gngngnnnt ganaacngga cggaggnnc nngngaanc naagccacaa 660
 gntnngcnaa angcggnaa cnagacgaac gagacgnga cancgnaaca ncncgnaac 720
 acaaaagcca anaggganac nagaagnggn cgnntnnan nnnngcaaag ggacacagnc 780

tggnaaangan	ngaaagnggn	gctngccnan	acggancaa	gnaacgggaa	aagggggccg	840
nngaaaaaan	cnancncaca	nggggaaacc	aaaacgnnna	acngntnnag	aaatacgnag	900
gggacnaaag	gggggaaagc	naacaagnag	cgagcnnggg	gagnannaan	ggggggnaga	960
cncngncgna	aggagggtnn	gnggnncnan	gancccnagc	acnngcngnc	nggaaancnn	1020
cacnaagggg	cgagaanaga	ggnanaaggn	ganncgaaac	gaanannaac	aacnacaggg	1080
agggcnagaa	agcgagggna	cnangnactn	aaggcggaac	ncgaanggan	aaggnnnnca	1140
cangcacggg	aaagnnncac	cncnnncnan	ngngngaaaa	anggcnaant	cgctaaagag	1200
aanagnaana	ngaaccaang	ggangaanng	agggaaaaan	ncncngcnna	gnagantcgn	1260
cgnangagaa	aaaagagaaa	acagaanggg	anagcgnggg	cnancncnga	anggggagag	1320
aggcgcaagg	cnnatccg					1388

<210> 2295

<211> 1013

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1013)

<223> n = A,T,C or G

<400> 2295

gannactgaa	aaattntncc	cttaattaac	cttccaaggg	ccctattgnc	nnggnggnnc	60
ttgttttttt	tggncccang	ggccaattcc	cccccaattn	ccgnaatttt	nccccggtgg	120
ggaaccaatt	ttttgggggt	ttttttgggt	tggtgncctg	ggccttttaa	aaaaaatccn	180
accnttaaaa	atttaaaagg	gccctttngg	gtngggggtn	tnggccnncc	caaccaattg	240
ggaaccgaaa	aaaaaagggg	gggnaaaaat	ggcccanttt	ttggccaatg	gnaacancaa	300
gccattttcc	aataaggggt	tcccngggc	caccnttttt	tggtttttct	ggaaccaagt	360
tattttttta	ccaagctttt	aattggaatg	gaaatatatt	ggtacttttg	gaattggccc	420
tggtgtttct	ctttctttga	tttngatccg	ctactgtgtc	agtgtttgca	atcagattgc	480
gtctcacctg	cacatacatg	tctttcagaa	tcaagggtctc	tacagctcat	tctaatacatc	540
attaatgatg	taattggtat	ataggaacat	catgttttct	gcaggaaaga	aagtaacata	600
ttaagggaga	atgggggtgg	ataaagaaca	aatataattt	ataataatca	atgntgggat	660
aacttttatt	ctttattatt	ggtaacacgc	cctaactatc	ctgtgtgaga	atgggaaatt	720
tcaagtccca	tcttgtaaat	tgtatatgtt	ggtcatgcag	ggtttggggc	aagaaagcat	780
tgcacaaaaa	aaatgccatg	tgattgtaaa	ttatcctggg	attcannaat	aaatactgng	840
gatgggggag	cccccatccg	cagtgggtgg	gaagaagttc	ctaagtgttg	gactgggttg	900
ccaggcccaa	aaagaatgaa	tngcttttaa	taanttttaa	caaaatcatt	gggccttttt	960
antaaaccat	ccccttggtt	ttaggggggc	cttcttcaag	ccctntcctt	tnn	1013

<210> 2296

<211> 1694

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1694)

<223> n = A,T,C or G

<400> 2296

cgacnttncn	gtgtntatga	gnnnnntanc	gngataaagn	ncgtgtngnt	nnntatatnt	60
nnntnntn	antntnacga	nnctgtggat	ncngntgtgc	atgtgaggtg	atngnctnat	120
tcgctntctn	gtnttcgnnc	gnntgtatgn	tnatgantat	gtnnncngaga	tgtgtgnatg	180
aatgntanta	nacnnnnnan	attgtngaaa	naccccnctt	cgnaaaagaa	ccccnggtn	240
ngttatatgt	gtantactnn	cgctntnatn	ngtnnccgac	gccagagtgt	tnagattnga	300

tgagnnntan	atgngtgggn	gggggngggg	gntgantgta	tatgtntnat	aatntaggtta	360
ngntangtnt	ngagngtatg	tggttnngtag	acagncgggn	gtgantgttn	ngtnncttta	420
naagtatggt	cgtctatcgc	gnnattgatt	ntttatttca	tagngttntt	antgtnggan	480
gtttntatgnt	acanantngt	ngagnanggt	cgattanttn	nnngggcgng	gngagatgnn	540
ngnnnatgac	agntngngcn	gtcntgagan	nnagnggtgt	ngngnncntt	cnnangtgta	600
gntttanctt	ntcgtnttga	cnnngggntt	nnaatggncn	ggnggttnagg	atgtnanntn	660
ggntatnagt	atgagnnnng	gnnnnantcg	annnncataa	atgtangnnn	tgtgctgatg	720
tgnnncnang	gngantgggg	aantnngtgg	nnnttatagn	natnatcgan	cgtgttcnaa	780
tgnttgntgn	cgnnnnncnn	gnnatgtnat	gcnnngtgc	ntnnnnntcn	gtgtgnntta	840
aanctntggt	gggttgggtg	tgtggtatga	tngcaggnc	tngtatctng	tnncnanatg	900
gangagcgga	tgntggtnan	atatnngata	ngnngatnga	gngntcgmat	gaggnatgng	960
ncgcgngtat	gagntcgmat	gggtgnntnta	tanangggtn	tnccacgcgtg	gtngcncgtg	1020
tgntnnnctt	tntagcgct	nggtngcgta	ctanntgna	ggggnnaaan	anntnnntnn	1080
aacntaanng	nnccgctgcn	angntcgcg	ncatctggtt	ncgntngaag	aatagtctta	1140
gtgacgagcn	ggacgttcnc	tgcnntatna	ccnnacnctg	gnngatacta	nnagatgagg	1200
tnncgactgg	anatnntttn	atnatcatnn	aatnttnang	angggaaagg	nnctgctcnn	1260
ggngggagat	tnntngna	nnccgngatg	nnntcgngan	cgtgatngna	tanggggnant	1320
aggcgnttag	nanttgtag	gatgaagggt	tctataagcg	tggtagnntt	ggtgntgagg	1380
tatgagacnn	anatgtntag	atatnctata	tgaggatgan	ntangggctg	atgtcgatgt	1440
ctngggnttn	tnntnggata	tngcatacgt	cgntntntnn	ngancntntn	acagtttana	1500
ncgaaatata	tnntannctg	gcgacncaaa	tatgaattga	tacaatacgg	tgtangnggt	1560
tttatgtatn	tgangntgan	angtgtgtna	ncnttatgat	gacnggtatn	atcgatatntg	1620
ccggtancnt	cgnatntgta	natgtgaacg	atntcgcan	gnnactantn	tcgntatgtn	1680
tnnnantgat	ccgt					1694

<210> 2297

<211> 768

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (768)

<223> n = A,T,C or G

<400> 2297

taatnccgata	ctcacgcttg	catgcctgca	ggctgactct	agaggatccn	nattccgcac	60
nagacanaac	ctcntnatta	aagacaaatt	tatcagaaan	atgggtgcac	aaagagggtc	120
ttantggctt	naagaggat	gtgaccgntg	ccgatgacan	ngagctngaa	gccaanatcg	180
cagttgttga	aaagtataac	atcagngatt	ccagagctgg	tgcaaaggga	tagaaaaatg	240
ccatatatga	agatttgac	tttgcntagt	acattctggg	cactgngcac	aaagccaaag	300
gcctgnantt	tgacactgtg	catgttttgg	atgatttagn	gaaagtgcct	tgtgcccggg	360
ntaacctgtn	ccagcttncc	cacttcagan	ttgantcatt	ttctgaggat	gaatggantt	420
tactgtatgt	tgagtaact	cgagccaaga	agcctctcat	catgaccaa	tcattggaaa	480
acattttgac	tnntggctgg	gagtacttct	tgcaagcaga	gctgacaagc	acgtcttaaa	540
aacaggcggt	gtgcgtgct	gcgtgggaca	gtgcaacaat	gccatccctg	ttgacaccgt	600
ccttaccttg	aanaactgcc	catcacctat	agcaacagga	aaggaaaaca	agggggggct	660
accnnttgnc	ctccttgnc	ggagcaacgc	atcngggccc	ttggcgtttc	ttgaaagnct	720
tcccgagacan	gtgcgcccc	atggaaccgc	actgnggan	aaaaatcc		768

<210> 2298

<211> 1407

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(1407)
 <223> n = A,T,C or G

<400> 2298

nccacaan	ca	atanaggaag	gngttgtnga	nngggantan	aaagnaanaa	ntngnnntnc	60
acngacana	n	gntnngnanc	naagatnnaa	ncgaagacga	ttgantacnn	gtcaanaaaag	120
ggtnantant	c	gagacaaga	caagcacata	ngagggcgng	aaacgatntt	ngactngggn	180
annangtana	t	ctnncnga	catgtntnca	cngngcaggn	nnaatnnga	gatacganca	240
ntcacnana	n	anactgngg	aaaaccccc	ttctgcana	atccataccg	tanantnanc	300
gncncgntna	a	tactgcgt	nnacaacanc	gcacnccnca	nnanannnca	gngngnnntna	360
cgcgncgnan	n	taggnngg	nggaggggg	gggaganana	tntctacnac	atacgannna	420
cgctnnntana	c	naactgatg	aannnaccng	gaccngtngn	ngtctanaaa	anacgaganc	480
tcengagcan	n	tcataatc	annanagtct	naacgcnnnc	atnaganngn	ntnnctcann	540
gatnnaggt	n	gtncggnta	tnntnngntg	gatnntnnng	ngnangngan	gngtntgnet	600
ganntcnacn	n	ntngnangt	gatncgtnnn	gnannaacna	ncnaaantgg	cagggnncga	660
ntntaattan	c	gnnaactgt	agatagnccn	ncnnnanagg	aatnccgcn	ttgggaaanc	720
nnantancn	n	gaaganggan	nncgnngcgn	ggancncgcn	ncnagaccnn	gtgatnngga	780
ancntgtcaa	g	atntntact	ggngcagcna	tnagngggac	naanncaggt	nnngnccncg	840
ngnnngcaca	t	atcaangnc	nagcnnngg	gncatgnntc	nccgncacan	cagatncacc	900
aanattcnaa	n	agtnagnc	naaacntann	ggcgagann	gngnntaaca	ngagngtggg	960
nnncacngnn	a	aaaatanng	ancaacanag	ttannccnna	cactgncncg	cgagngangn	1020
ganngcgnc	a	anaacnnnn	ngaangcanc	atnnnnngnc	ngagannacg	aannngnat	1080
ngngcncnaa	a	antaattng	ngggggacaa	aangatagg	tnnnnnnaaa	nnngnggggg	1140
aatggggatc	t	gaanacna	aatccanant	ggnagggnag	cntggcggt	ccngnggcgc	1200
naatnngaan	c	acncggntn	ntnatagg	nataaangnn	cannanggn	gcgggnagga	1260
anatanann	c	acgaanaac	tcnnggtgtt	aaagagaaat	nctnnnaaag	aagnntancc	1320
gagcggtcac	t	atgaangcc	gngnagang	gctgtnnntn	ccnanttgna	nnncncacat	1380
ntcnncangn	a	aggaacnnga	ctggng				1407

<210> 2299
 <211> 717
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(717)
 <223> n = A,T,C or G

<400> 2299

ntnancnt	c	gattccgcn	gagaacncac	ntttnncagc	ccnctgnag	gccnaggana	60
catnaaatat	g	cntatatn	ctgtagagaa	tgagcntatg	aatcggctac	agtctcaaag	120
ggcaatgctt	c	gcagggca	ctgaaagcct	gaccgggcca	cccaaagtat	tgaacgttct	180
catcgattg	c	acagagac	tgaccagatt	ggctcagaaa	tcatagaaga	gctgggggaa	240
caacgagacc	a	gttagaacg	taccaagagt	agactggtaa	acacaagtga	aaacttgagc	300
aaaagtcgga	a	gattctccg	ttcaatgtcc	agaaaagtga	caaccaacaa	gctgctgctt	360
tccattatca	t	cttactgga	gctcgccatc	ctgggaggcc	tggtttacta	caaattcttt	420
cgcagccatt	g	aacttctat	aggaagggt	ttgtggacca	gaactttgac	cttgtgaatg	480
catgatgtta	g	ggatgtgga	tagaataagc	atattgctgc	tgtgggctga	cagttcaagg	540
atgcactgta	t	accaggctg	tgggaggagg	gaggaaagat	gaaaaaccac	ttaaatgtga	600
aggaacaaca	g	cacaagacc	agtatgat	accaaggtaa	taaatgctgt	ttatgacttc	660
ttttannaaa	a	aaannnnnn	nnnnnnnnnn	nnnnnnnnnn	aaaaaccnnt	tctttnt	717

<210> 2300
 <211> 765

<212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(765)
 <223> n = A,T,C or G

<400> 2300

tattatnecn	tcagctnctg	gtcctttttg	cgagatccct	cgattcgaat	tcggcacgag	60
caggaataat	gctgacatac	atacatatnt	atatatatat	gaagagagag	agagagtcnc	120
acacagacag	acagacacac	ggagtctcgc	tgtgtcgccc	aangctggag	tcgagncggc	180
tcaatctcag	ctcactgcaa	gccttgccct	ctgggttcac	actattctcc	tgccctcagnc	240
tnccaagaag	ctgggactgt	aggcgcccgn	caccatgccc	ggctaattct	ttgtatgttt	300
agnanagacg	gggttnccac	gngttagaca	ggatggctcn	gatctcctga	cctcatgatc	360
tgccctgctg	ggcctcccaa	agtgtctgga	ttatangcgt	gagccaccac	acctgnncat	420
aatgtcgata	ttttagntca	gggtcatgcn	ancaacatta	cagatgttgt	gaangactac	480
atgttcnttt	gtncnaattg	tccttttaaa	atnaggagat	tncaaacaaa	tatttgaaagc	540
tctttgagga	ggggcttttc	agattttaaag	tgataaacct	tattagtntc	tcttttaggca	600
gagaactgaa	gatacatgta	tatctcanct	ttgtgagtgg	aaattctctt	tcanacttta	660
acattgaaaa	gttaattcna	aattcttttc	tcatatattc	atgggccttg	gtaaatgatg	720
ggccgaanat	gtcctgttaa	cttgagaaaa	ggagaaaaat	tnttt		765

<210> 2301
 <211> 755
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(755)
 <223> n = A,T,C or G

<400> 2301

gntatncttt	caagctcttg	ttctttttgc	aggatcccat	cgattcgtga	aggctctacaa	60
cccagttagg	gcagaatgga	ggcaaatgaa	taatattccc	ttggtctcag	agaccaacaa	120
ctacagaatt	atcaagcatg	gccaaaaatt	gttgctcctc	acctctcgca	ccccacagtg	180
gaaaaagaac	cggggtgactg	tgtatgaata	tgatattagg	ggagaccaat	ggattaatat	240
aggtaaccaca	ttaggcctct	tgagtttga	ttctaacttt	ttttgctctc	ctgctcgtgt	300
ttatccttcc	tgccctgaac	ctgggtcagag	tttctcactg	aagaagaaga	aataccaagt	360
gagctctagca	ctgaatggga	cttaggtgga	ttcagtgagc	cagactctga	gtcaggaagt	420
tcaagttctc	tttctgatga	tgatttttgg	gtgctgttac	cgccctcagtg	aaatgcacag	480
gatcaacagg	gtttgntgta	actagattga	aacactaagt	tgtttttact	gttttggaag	540
atatcttaaa	tatccttttt	gttctctaaa	gagaggaaaa	gttgattaac	ttctgggttg	600
gttttagaaaa	agtaatgttt	gaaatacgaa	ggtaatttaa	tgttacaaat	tttaacactc	660
aatcaacct	tttaataatt	ttctgtgcta	agggtccagt	attatttgga	ttatttagta	720
tggttatgtt	tcattgacct	aatttagtct	ttgat			755

<210> 2302
 <211> 729
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(729)

<223> n = A,T,C or G

<400> 2302

tttaaacctt ngaatcgac gagaccgga ccagaacatg accggctggg cctacaaaaa	60
gatcgagctg gaggatctca ggtttcctct ggtctgtggg gagggcaaaa aggctcgggt	120
gatggccacc attggggtga cccgaggctt gggagaccac agccttaagg tctgcagttc	180
cacctgccc atcaagccct ttctctcctg ctccctgag gtacgagtgt atgacctgac	240
acaatatgag cactgcccag atgatgtgct agtcctggga acagatggcc tgtgggatgt	300
cactactgac tgtgaggtag ctgccactgt ggacaggggt ctgtcggcct atgagcctaa	360
tgaccacagc aggtatacag ctctggccca agctctggtc ctggggggccc ggggtacccc	420
ccgagaccgt ggctggcgct tccccaacaa caagctgggt tccggggatg acatctctgt	480
cttcgtcatc cccctgggag ggccaggcag ttactcctga ggggctgaac accatccctc	540
ccactagcct ctccatactt actcctctca cagcccaaat tctgaagttg tctccctgac	600
ccttcttttag tggcaactta acttgaaaaa nggatgtccg ctttatncaa aattacagct	660
attggcaaat aaaacgagat ggataaaaaa aaaaaaaaaa aaaccctttt aaaaaattta	720
gnggagtcn	729

<210> 2303

<211> 778

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(778)

<223> n = A,T,C or G

<400> 2303

gactatctct ttcaactnct tgtccttttt gcaggatccc atcgattcga attcggcacg	60
aggagagtgg ctaccttaaa aatgcntttt ttgaagaact gtaacctcag aggagcaact	120
ctggcaggaa ctgatttaga gaattgtgat ctgctggggt gtgatcttca agaaccaacc	180
tgagagnggt ccaacgtgaa ggggagctat atttgaagag atgctgacac cactgcacat	240
gtcacaaaagt gtcagatgan aattttaggg gctggaggaa gatgtaaaag atgaaaaatgt	300
tttccttata acttttcttt ctccaccac tcagttgtct agaagaaata acactgtaag	360
gaaatttaaa aaaaaaacat ttagaggatt atgcttgttt tgagtgggtg atangggaaa	420
aaactgactt ttttttccat attctgattt ttaacagaaa agcactcatt taatagatgt	480
anggaaacta gatattgctg ccttttgaat ggggtagggg ggtttacctg gttttatgac	540
caggcatagt atctattata tttgctttta aataggcatg atgtggaaat accatcttgg	600
tttgagatgc atttgaggat tttaatttat ggaaagcccc accatatgca attatattta	660
ttggaattcc tangatgcan ntattggatt atttnaaatt ggttaaaact ttatgaaaac	720
tttgnaaaaa gggtgttcan gtttataaat agctttaagt gatgcctcc cttntttt	778

<210> 2304

<211> 1609

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1609)

<223> n = A,T,C or G

<400> 2304

ncnnncgnnn nntgggngtg ncnntnnnt cnetccctnc ncggngggng gcnnngggtn	60
ntgtanngga ntgcngntnn ctntgccenn ccccnnnnnn cggtgctgct cgangagncg	120
ccgaggatat ctnnnnnnnc cccccnttg cggcgnctcg gggggggggg ggggcgcttt	180

ttttttanac	ggcncnccg	ncacnggggg	gggggcnttt	ncntgccnnc	nncgctactt	240
ccnnttttgg	aaccngngn	gcnangaann	gaagggcnnn	angcgcgcg	gtgcnnngtc	300
tngtngcggn	cnggcgtngc	gngtggtgcg	nnnnggcana	cgtegcgcgn	gnnngcngnn	360
gcatnngcnc	tnnnncncgn	ggggcnnatgt	gtnnnnntaat	ganccgcgnnc	cgnagacngc	420
tctgggactc	tgcnnnnngg	ncggcgggcg	gtangtagng	cgctngtcgg	ntngcngtct	480
ntangctcgg	agcnggagca	cnnngnnnn	gatgacgnnt	tgcnnngngg	ngctntngan	540
gccgtangcg	ngtntctnnn	ggtagnagnag	ngttcgactn	ngtcacgtgn	agttgactct	600
gtngnnngcn	ccgnactgnc	cncctgcngn	tgtngtgtgn	ngctaactgn	nnnggantcn	660
gnaagtanga	ngacgcgcgn	ngtgttganc	gntngggteg	gngnancceg	cngtnnggga	720
agcgtggtgg	tnngcctcnn	tnnnggtgtg	ggagcnnctg	nnagntgang	gnncgttggn	780
ngnggctcgg	cncatctccg	ggngcncncg	tnnccgatnc	gctctctngn	ttgntngnnt	840
gnnnacgcgg	cncgatgccg	cgngnngcgc	gacngcgctc	gngngctgcg	ncgatatcgn	900
tacannaggg	gaatgggaca	taccngngng	ntngtgcneg	tctnangnga	ggnggangcg	960
cgntctganat	gagngagcn	gngagtgtnt	ctgannactg	gagcgcgcng	tgcgnttctnt	1020
cttcncgacg	tacatctcac	cncgcncatc	ggtgcgcgcg	ctcggannag	gtacgcgcnn	1080
ntctngntgn	tnntnncant	cncctcnnng	agnacgncng	gngccgggtan	ngagnncgnt	1140
cnmtcacgtn	gngnnnnncgn	gacanagncn	cncacgatnt	gcnacgagcg	cncntcagan	1200
ngangtgctg	atgtgngcca	cgnantagng	tgctgatat	nggcngtcat	ggcatngtg	1260
cgtnacagtga	gcnnngcnn	ntntctcggt	gcancgtacg	nnacacgcga	gacgntctnc	1320
gngctgtgca	cngcgcnncg	ngnntnatag	gcacacnggc	atcnnngcna	tantgctgag	1380
gggancgnct	gcncgnaann	gcgacgtngg	ntgnnnacn	agacgngtg	atttcacngg	1440
gccggnggnt	gnntncgggc	tggntctggn	tgngngcgtg	cgcccnagtc	gcgntganac	1500
gnggcgtcna	nagncgaatn	ggagccggnc	gagngtaga	tggggacggg	agntnatnga	1560
cggtgggcga	nacgtgtccg	agcttcgcgg	ctggtnngnc	accggngcc		1609

<210> 2305

<211> 1021

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1021)

<223> n = A,T,C or G

<400> 2305

gnggnannga	nnngnnangn	aangnnagag	nnngngngn	nnnnnnangg	ngnannnnnn	60
cggnnnnnnn	nnnnnnnnng	aaagaacctt	gaaaaaccgg	cntntnngca	gcaccangc	120
gncganangn	ggnacgaggg	tcagaaaaga	aaagcaaaaa	ncatttnntg	cggcggacac	180
acgacagann	gggggggggt	gnnggagaga	cagngccggn	acgagttntc	cgnnnccatn	240
ggggncaaa	gagnanggg	nagcgnntc	gctcanacgc	ngccngngc	gggtgacanc	300
ngcnagggg	aaagnagnan	taacnaaggg	tcgggnagt	gagntcanc	ctggagangg	360
nggctacnaa	ggggangcng	ngcacggaag	ngannagann	gtccnggaca	aanggaccgt	420
gaccggcana	cnggaganga	anccggcaan	tancnganga	nctncnganc	nnagangcnn	480
tgtnnccgan	cggngacgc	ngagnnnagn	ngtgnccggg	ntngaannag	gaagnnggaa	540
aaaggcnacg	angngnngg	nnnggagcgg	ngcngaggg	tcgaagnant	gnggcccggn	600
gagcgnancg	catngggggg	anngcannna	gaacgaagag	aatggtaggg	acnncnnaan	660
nggcgaggg	ntgtaaaagn	nacncnggga	acngngngg	aaangncgag	anncgnggna	720
naccggggng	gtgganaaat	ggtnnnaaan	aanngccatg	aggggcccn	nacannnccn	780
ccncaacac	nnagncnng	gcgcgaaagc	antanggnat	angnnnnnna	gcaggtntag	840
agtgnnaang	agggggtnac	aganaaggg	ccngancctca	aacaatagaa	aaagggggca	900
tngnannata	caggggggnc	tnanagatt	caacgtcngn	acggangcac	acggtggggc	960
gangcgnaca	cnggggnggg	tgancnanag	taccnagcga	gngccngtgt	gnnacnatnn	1020
n						1021

<210> 2306

<211> 757
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(757)
 <223> n = A,T,C or G

<400> 2306
 nttttaaacc cctttgcgaa annaggganc agtgtgtaaa gtacaaaaac cagctggggc 60
 gtggtcgcgc tcatgtgtg gaccactgtt gtttagactg anctgggnan ggatggcttg 120
 nnnccctgna agnncaaagg ctnttngtga tctttttgtt tcncctctg nactctancc 180
 tgggttgaca gancaagacc ccatatcaaa aaanancggc cgggcgntgg gggctcacgc 240
 ctgtcattcc ancantttgg gaggtgagg cgggtggatc acaaggtcan gagatcgaga 300
 ccacccctggc taacatgatg aaaccccgtc tntactaaaa gtacaaaaaa aattanctgg 360
 gttgtgggtg cgggcncctg tagtcccagc tactcaggag gttnaaggca ggagaatggc 420
 gtgaacgcgg gaggcggact tgcagtgagc caanaticng ccactgcact ncagcctggg 480
 cgacagagca tgaccccatn tcaaaacaaa caaaactgtg atgataaaaa gcgccataaa 540
 cactaatttc aaaccatgct actctgtctt aaattttcaa atagctttgc acctgaaata 600
 caaaattaag ttttgggaaa aacaagtttt taactgngtt gctcacaagc taattaaact 660
 ggntaagttc tgccatgtga aagggtaaaa aaaataaagt tcattttttg gaaaaaaata 720
 caaatctttc tanntnttat atctttntnc nttnnnt 757

<210> 2307
 <211> 1175
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1175)
 <223> n = A,T,C or G

<400> 2307
 atgggggann nnnnnnnntn ntntttttta ncccgatnaa ttcccttnaa nnaattttcca 60
 agaaanccct tngggccatt ggggcccctt ggggccaaag gggnaaanacn aaaaacattn 120
 cntaacannn ngggnataaa gcaacaccnc nannggtata ncncntanag gnetctcncc 180
 natatantga agangganac atnatnnatn annghaanna aatntttnt ntnacaaaan 240
 ntttcnecat ggcggtcnc ntanntatnn taaaanagen ggngntatca tntatnctg 300
 aaacaaanan ncntnncgnt gattttacccc naaaatataa aatctnaant ncncnangna 360
 gaanactntn anttncaaca aannntnngt nattaancan aanannaacn ntnannnnac 420
 ngnttctntt ncaanantat ctcanntcta aaatangtna aancnnaang cacctctgtn 480
 annggannca ttaagcacan ntnggttnan tangagttac nntatatnac anaantngna 540
 tnaanttnnt aaacnccnta nccgacnant naattnaacc taatatntcn atanattttc 600
 annncaanaa tnannagatc nmatcnnngna nancnnntaa aataagtgn nctnacanat 660
 ntnanntnan nntgaanaat taacagngnt ttaaanngna naccnntga cccnctaaaa 720
 aaaaanctat ttanntaaat agtnnatngn gatttaacca nataatantg naancnccat 780
 ncacactnnt agaatanac acacgggnnc tataatacnc taaccntnt tttanacacc 840
 atntctncta anatantcac actattaacc aatanaaacn aagatcgggg gaatatcatt 900
 tgcncaaatc aaaaanaaat cngggataac caaactactc nntaaaaacac cttantgcgg 960
 nggggggnaca nanataanat ttnganactt aaatnaaagc ggaaanncat gnancctntt 1020
 tcccgccttc cttatttaac nntntaaang aaagnnnag gcnttttctc tctatnnata 1080
 ccancantc cnanantang taaaaaatna ntnanntgna gnaagagttt gggggntnna 1140
 tnccccacna nacttttgna agaangcngt ttncg 1175

<210> 2308
 <211> 861
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(861)
 <223> n = A,T,C or G

<400> 2308
 ncagnccecan tcaaagcncg ctgcctgnaa aagacccatc gattcgaatt cggcacgagn 60
 ggaggaagca nnaggggaaat cntgacgctg caaantgcnc aggcncgaat acggatgggtc 120
 ctgcctatn tggtngetca ntagaacctn tggactnggg gtgtccncgg tgggtcctc 180
 gngctgggat ccncnacgtg gatgagagtn tantgggtc ctnccaaggc cnntgtncca 240
 nttgngaca tcaaccctta tgcngtatca caagacngac ctatnnggcc ttcttcnagn 300
 tnangcatcc ncccgcttcc agctntctgc cctgcagagc atactgntgg tgctgacac 360
 cgcaaactcg gagccttgg ctgatggana ngtgatncna taccgacnan gaananatgg 420
 ggatgacata tgcananctc tcnnantatg ggaaactcaa gatngtggcn aaagatggng 480
 ccctacaann tggtntgcaa anttcntcag gatntngaaa cacntctgcc cccctgaca 540
 ngtcncnntc aaagagnaac nggngntntc tttcaagttc tnccttgaa cncganacaa 600
 agaaggactg acgcttttnc caactgagtg gcctacngcc tnnanacata gcaatncctt 660
 gaangaacac aaaagggtt ttgancgtgn cgaaaccaat ttccttggg accgaancca 720
 caaattcttg ngcccttag ggaaaaagnt tnttcanggg ggcctttaa aaaaannaaa 780
 ccangggggg ccacaacnag ccattgggga ggcccttaa taaaanaaac ctcatataa 840
 ccctnaaggt aacgtggaan n 861

<210> 2309
 <211> 777
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(777)
 <223> n = A,T,C or G

<400> 2309
 nantattcgn tcaacctnct ngtncttttt gcaggatccc atcgattcgc tgtaaatgac 60
 aaaagaaaaa gaaaaattga gccttgggac gtgcccattn ttactgtaaa ttatgattcc 120
 gtaactgact tgtangtaag cagtgtttct ggcccctaag tattgtctgc cttgtgtatt 180
 ttatttagtg tacagnacta caggtgcata ctctgggtcat tttcaagcc atgtnttatt 240
 gtatctggtg tctactttat gtgagcaagg tttgctgtcc aaggtgtaaa tattcaacgg 300
 gaataaaact ggcatggnaa ttattttttt gnntgtnttt tgttttttgg ctctttcaaa 360
 ggtaatggcc catcnatgag catttttaac atactccata gtcttttcc tngngntag 420
 gnctttattg ntattttttt cctgngggct ngggtggggg tttgtcatgg gggaaactgcc 480
 ctttaaatat ttaagtgaac ctaccnaaaa acacaaaacg gtgatgggtt gngttangct 540
 tgnatngaag gctgacttga catctnttgc cttgacctcc ggtatgtnt aaagctgnnt 600
 ntgaanatct ggatcttgcc catccttttg gntagngccn ggnctaatta aatttggtt 660
 tntccaatt ttttttact tcccttntc cccttncng gaaggcatta aaatgtngn 720
 tgctgggggt cttttaanaa atgttttaa ccattttccn tggagnaaa naaattt 777

<210> 2310
 <211> 1391
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1391)
 <223> n = A,T,C or G

<400> 2310

gcnnnnngcn	nacnngnngn	nngnnnnncna	nnnnnnnnnn	ggnnnnngnnn	nnnnnnnnnn	60
cnncncnnna	nnnnngnngn	nnngcgcggn	ncnanannnn	nnnnngngcnc	gcgnncnnnc	120
ncnnggcggn	ngnnnnnnnn	cncgcgnncn	nnnnngngcg	cnngnnnnant	cgcgngannn	180
gngnncgcnc	ncacngcgnn	nnanncggnn	ncnngcncnn	gcnnncnnnn	ccnccnagn	240
ntngancacc	ttccntntaa	aaccaanncn	ccccccnct	nnnggggtng	nanngnanc	300
gcangncccc	annccnncnn	nngcggnnng	ggncnngnng	ngggngngng	ggcgagncna	360
nnngtntttt	ttttnnngcn	tgccnanncc	gggngcngan	gacgacgggg	gggggtgncg	420
aannngcngn	gcncgcggg	gtnnngngcg	ttangcnncc	nacaangggc	gcncgancgg	480
gaccngcnc	ngtnannngn	gnctganncc	ngnaanacgc	agngtgcgng	acacggnnac	540
nacgtcgang	agtgnnnacc	ataaggagan	gggnngggnc	acaggcgacg	ngnnnaggna	600
gggaagganc	cngnngcgcg	ngncngncnn	gacnacncac	cngncgcggc	gcggnacnnc	660
nncgacancn	ccgganacgc	ggngcggcna	cgcgngcgcn	ngggngacng	cacggnnann	720
gncgncncac	naggngncan	cgnnnngcct	ggngcngcnc	ngnnntgncn	cnangggang	780
gtnnncnaan	nnggncgagc	anggaagngg	acgacanata	antcggaac	ngggcnanna	840
nnngngnggg	gggnnggcgc	gnggccaggn	agcgngcatn	ncgncnana	nngnacaang	900
ggcnnnangc	nnccatgnaa	ngggggaggg	gccncacggg	aggggcgcg	gaagacnacc	960
cngggngggg	ngacngggan	gnntatgggn	ggaccnngnc	cntgggcnc	aagcaanggg	1020
nggngnaccc	cnnngngctc	ncncgcctca	gnaaaantnc	cngnanangn	tnangcccca	1080
cgggcggncc	ngtggngngg	ggggacgccc	cnggtananc	ccnnggnta	ncnctctagg	1140
aagggcngga	cgggccnggg	gaggaaaanc	nctngggcaa	ccccggggga	ngggcgggan	1200
nggcnggcac	gnagngggcc	gnngaagtan	acaccagcg	cggnnccgncn	cangaccnng	1260
gggcnancnn	gngnccaagg	anctnctggn	cgccaggcg	ggcaagggtg	gggngtnc	1320
acncgnanaa	agacgagggg	gcgcggcgcc	gcgcgcangn	cnggggggng	ggggccgatg	1380
ggccggnnnn	g					1391

<210> 2311
 <211> 736
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(736)
 <223> n = A,T,C or G

<400> 2311

nnnttaaacc	ncgnatcgca	nacagccaaa	cagaccttct	gtttcatgaa	caggcgtgtt	60
atatctgcta	acccatatct	agggggcacc	tccaacggct	atgccaccc	cagcgggacg	120
gcacttcatt	atgacgatgt	ccggtgcac	aacggctcgt	gggaaccgga	agacggcttt	180
cctgcttcct	gcagcagagg	cttgggagaa	gaggtgcttt	atgataacgc	aggcctgtac	240
gataacttgc	cgctccgca	catctttgcc	cgctactctc	ctgctgacag	aaaggcctct	300
aggctgtctg	ctgacaagct	gtcctctaac	cattacaaat	accctgcctc	cgctcagtct	360
gtcactaata	cctcttctgt	ggggagggcg	tctctcgggc	tcaactcgca	ggtacggcat	420
cttcttctgt	aagattctag	aaccaccttc	aagtcacatt	gctccaacag	agttttgcaa	480
cttgtagtaa	atgggactca	tcaaaggcaa	agcataatgt	gttntttttt	ctcaactaga	540
atataatttg	cagcctgact	accaaggaa	tgatgaaata	tttcttaacg	agctcatggn	600
ttatctganc	actgtgtttt	tttgcacaca	tntggctctt	tttctgttnt	tggaaaantt	660
ccccantga	aattttngng	aattatgtca	acttaaangg	cagagaagtt	tnaaaagaaa	720
ccgggttata	aaactt					736

<210> 2312
 <211> 774
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(774)
 <223> n = A,T,C or G

<400> 2312
 tcnatncgnt cagctcttgt tctttttgca ggatccctcg attcgaattc ggcacgagaa 60
 aaatatgggc tgggattaca ggcgtgagcc accacaccca gcctttcttt tagtgcttta 120
 aatatattgg ccctctgcct tctggcctcc aagtttctga tgaaaaatct gcttgtcatt 180
 ttattgagga tcccttgtat gtgacaagt tcttccctct tgctacttcc aggattctaa 240
 ctttgcattt caaaagttag actataatgt gtctcagtg gggtctcttt gagttcattt 300
 tacttgaggt tacttgagct gcttgatgt ttatatgcat gtctttcatc aaatttgga 360
 agttttcagc cattatttct tcaaacatag tcataagctg cataatgaca ttttggcat 420
 caatgaactg catatatgat ggtggtctc aaagattata atactgtatt tttactgnac 480
 tttttatggt tatatgtact tagatacaca aatcttacca ttgtgttata attgcctaag 540
 tattaataac agtaacatgc tgtcatattt gtagccttg agcaataaag ttatatacca 600
 tataagttta ngatataccag tagcctatac cattgtaggc ttggtataag tactctctac 660
 gatngttcac accaatggtt ggaaaatcac atgaaggatg tatttctca naaacatatt 720
 ttttgggttg ttaaagtgga tgccatgaac tgggtantct tctctgncc cttt 774

<210> 2313
 <211> 729
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(729)
 <223> n = A,T,C or G

<400> 2313
 nttaaaccce ntgcgattcg gcacgaggcg atgnnnnatn ctgntnaatg tncctnnan 60
 tntnaccnna cggntgnact tcaatgtnt ngtgaannac tcacncaggg atcgctcgc 120
 cntnnaggnc gtgannatna ggtgnncaat agnntgtgac gcaccgtgca aggnaatggn 180
 cggcaagcat ctgggnnaaa anaancntac nctttggctg ctcttgaaga atgaannacg 240
 acgncncctn gcngaacnag aagcnnntga aaacagactg annngnccnc ggangaagaa 300
 ctggacntgn gntgatntgg cangngagcn atcactatgg ggnaaacatg actattatnt 360
 cnttnnnngn ngtgcnntng ngncngtngn gtnagccnng ctcatcannc annatggcan 420
 nnnnnaantg ntgggntctt tcacngncnn tnncttggg tntntannan tngttcnanc 480
 cngnntattn caanntgnt tttntngann atgntntata ttgacatnca tntgngnatt 540
 ctntnaggtn tntgtgagan ggacantntg tnaaactcta tcttanntnt ngtcctntga 600
 ccgncaccta nagtantgtg tncaagtga cncctgactg aaactaaaan ttntgntacc 660
 gcttagctta ntngctgact tacntnctt tggncattgg gctnccctga ctttctntc 720
 atttaatca 729

<210> 2314
 <211> 760
 <212> DNA
 <213> Homo sapiens

 <220>

<221> misc_feature
 <222> (1)...(760)
 <223> n = A,T,C or G

<400> 2314

tattatnecn	tcantactt	gttctttttg	caggatccca	tcgattcgaa	ttcggcacga	60
gataaaacag	gaatttttga	gcgggttgac	cgaaggtag	tgtacaaatt	tggaaaaaat	120
gcacacgggt	ggcaggaaga	caagctatga	tctgctccag	gcatcaagct	cattttatgg	180
atctctgtct	tttaaaacaa	tcagattgca	atagacattc	gaaaggcttc	atcttcttct	240
cttttttttt	aacctgcaaa	catgctgata	aaatttctcc	acatctcagc	ttacatttgg	300
attcagagtt	gttgtctacg	gagggtgaga	gcagaaactc	ttaagaaatc	ctttcttctc	360
cctaagggga	tgaggggatg	atcttttgtg	gtgtcttgat	caaactttat	tttcctagag	420
ttgtggaatg	acaacagccc	atgccattga	tgctgatcag	agaaaaacta	ttcaattctg	480
ccattagaga	cacatccaat	gctcccatcc	caaagggtca	aaagttttca	aataactgtg	540
gcagctcacc	aaaggtgggg	gaaagcatga	ttagtttgca	ggttatggta	ggagaggggtg	600
agatataaga	catacatact	ttaagatttt	aaattattaa	agtcaaaaaat	ncatagaaaa	660
gtatcccttt	tttttttggg	gacgggttct	cactatgttg	cccagggctg	gtcttgaact	720
cctatgctca	agtgaatcct	ccccctcggc	ctnccaaagt			760

<210> 2315
 <211> 737
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(737)
 <223> n = A,T,C or G

<400> 2315

nannatccgt	tctccgcntg	ctgcctgnng	cangatccca	tcgatnccga	attccgcgcg	60
cnngcaatgt	atccntatgc	cnantgtngt	tgcantanca	ctggancgag	ggtttacnan	120
gcgggtgcntg	nnaaaaccn	ntngttaccc	agnnaaatng	acttgcaata	cattcancta	180
gcgcgcgnnt	gnnntcataa	ttcantgggn	nntatccnat	cgcnccttatc	aangagatgn	240
ctctctggct	ntctnttgc	ctctcantgg	aaccgggnat	tgnatannaa	antcntgntn	300
ncaanctcnn	tctccctnat	ngngnacngc	aactacctaa	tcttgaacag	atatgctaata	360
ttcgctaactn	ctcnggtctg	ccctncccgga	tcccttggt	ncncagnaca	cattccnntg	420
aantaaggnt	tcnanataca	tgnnctatnct	atnnntatnn	nnggcaacnt	gnattagggt	480
gantntatan	ntatanntnc	atatgcntga	tganagctga	taanntnnac	nttgntattc	540
nncgttctat	atgagannac	tctcgtgnaa	actggacaac	ctcancctan	atctggctnt	600
ttttaanttt	aaaaggntat	cacgaattca	ncgagcncgtg	aaaatccgct	anttgcnngga	660
annnactcga	cattcgcata	tgcctnccgc	acatttccng	atnngncgnt	cacntcantn	720
tancnngnnt	acacncn					737

<210> 2316
 <211> 728
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(728)
 <223> n = A,T,C or G

<400> 2316

nttnaacc	tttcgancg	gcacgacagc	atctttcagg	tcattccggag	ctgcaatcga	60
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agtctggaga cagacgagga ggacagcccc agtgaaggaa acagctccag gaaaagctcc 120
ttgaaggata aaagccgatg gcagtttata attggagatt tgttgattc agacaatgac 180
atctttgagc aatccaaaga atacgactct catggttcag aggactcaca gaaggccttc 240
gaccatggga cggagctcat cccttggtac gtgctgtcca tccaagccga tgtgcaccag 300
ttcctgctgc agggggccac ggtcatccac tacgaccagg acacacacct ctctgcccgc 360
tgcttcctcc agcttcagcc cgacaatagc accttgacct gggtaaagcc cacaactgcc 420
tccccagcca gcagtaaagc aaaacttggg gtacttaata acacagctga gcctggaaaa 480
ttcccactac tgggtaatgc tggattaagt agcctgacgg aaggggtctt ggatcttttt 540
gcagtgaagg ctgtatacat gggccaccct ggcattgata tacacactgt gtgtgttcag 600
aacaactgg gtagcatgtt cctgtcaaag actgggtgtga cattgtctta tgggcttcag 660
accacagaca acagattatt gcacttcgtg gcacccaaag cacacagcta aaatgctctt 720
tagcgat 728

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<210> 2317

<211> 750

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (750)

<223> n = A,T,C or G

<400> 2317

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antttgaccc ctttcgantic ggcacgagac aatctctagt ctaaaagatg gcggcaaggc 60
agcccaggca aatgtaagaa taggcgatgt gggtctcagc attgatggaa taaatgcaca 120
aggaatgact catcttgaaag cccagaataa gattaagggt tgtacaggct ctttgaatat 180
gactctgcaa agagcatctg ctgcacccaa gcctgagccg gttcctgttc aaaagggaga 240
acctaagaa gtagttaaac ctgtgccccat tacatctcct gctgtgtcca aagtcacttc 300
cacaacaac atggcctaca ataaggcacc acggcctttt gggtctgtgt cttcaccaaa 360
agtcacatcc atcccatcac catcgtctgc cttcacccca gcccatgcga ccacctcatc 420
acatgcttcc ccttcacccg tggctgcccgt cactcctccc ctgttcgctg catctggact 480
gcatgctaata gccaatctta gtgctgacca gtctccatct gcatgagcg ctggtaaaac 540
tgcagntaat gtcccacggc agcccacagt caccancgtg tgttcccgag acttcttcag 600
gagctagcag agggacanga nnaagaggat ccccgagggt acagtaaaac aagcaaaaat 660
gggnccacca agaaaacaca attgtggagc cgcttntaca gaagttttat tcatnttacc 720
cccttcacag nggatnccag ccaagaaaat 750

```

<210> 2318

<211> 756

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (756)

<223> n = A,T,C or G

<400> 2318

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nttatccttn caactcttgt tctttttgca ggatcccatc gattcgaatt cggcacgaga 60
ccacgtcata tacagcctac aaagagctct tgactgtgag ctgcagagg cccagttgca 120
taccactgcc attgacaaag agggctcncg ggctgttaaa gcgggagctt atgctgcttg 180
ccaggaagca aaggaagata taaagagtca ttcagaaaat gtctctcaac atccacttca 240
tgtagaagta ttacactcag agattatggc tcacagaaa tttgctttgc gtctnggttc 300
ctggatgaac aaaattatga gctattcaag tgactttagg catatctttt gccagcatg 360
ccttagagaa gaacctgact cggagaatcc ctgtctcata agcagggttaa tgctttggga 420

```

tgcaaaagctt	tataaaaggtg	cccgttaagat	ccttcatgaa	ttgatcttca	gcagttttttt	480
tatggagatg	gaatacanaa	aactctttgc	tatggaattt	gtgaagtatt	ataaacaact	540
gcanaaaagaa	tatatnagtg	atgatcatga	cagaagtatc	tctataactg	cacttcagtt	600
cagatgtnta	ctgggnctac	tctggctcga	catcttattg	aaaacagaat	gttatctntg	660
tcattactga	aactctgntn	taagttttac	ctgagtnctt	ggacaggaac	antaaattcn	720
acttccangg	ttatgccngg	acanattggn	aagatt			756

<210> 2319

<211> 760

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(760)

<223> n = A,T,C or G

<400> 2319

atatccgttc	aactacttgt	tcttttttgc	ggatcccatc	gattcgaatt	cggcacgagg	60
agttctacag	gtggagtgtg	gggcccagaa	ggggctcagg	tcttaggggt	gtcatctgaa	120
aaaaacagaga	tgggtgatggg	acaccagttc	taggagccct	ctgcatggcc	actttctgcc	180
tcagctcttc	taaagcattt	cttctgttcc	cttccattgg	ggtaaccact	gatctgtctt	240
cccaaaaact	gagtcagaag	ttggactttg	ttacttggct	catctacatt	taagatatag	300
tcagaaaaaa	aatgcagtct	ttacatctta	agaaagctta	catgggccag	gcgcagtggc	360
tcacacctgt	aatcccagca	ctttgggagg	ccaagggtgg	cggatcacct	gaggtcagga	420
gttcgagacc	agcctcaaca	tggagaaacc	ccatctctac	caaaaatata	aaacttagcc	480
aggcatgggtg	gcttgctcct	gtactcccag	ctacttgggg	ggctgaagtg	ggaggattgc	540
atgagcccag	aagtgggagg	ttgcagttag	ctgagacgag	atcgaccac	tgcactctac	600
ctgggtgaca	gtgagaactt	gtctcaaaaa	ataaataaat	aaataaaatc	cattaaattg	660
ccaaaaaana	aaannnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	720
nnaactnggc	ctttaaaact	ttngggagnc	nnttncntan			760

<210> 2320

<211> 732

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(732)

<223> n = A,T,C or G

<400> 2320

tntttgacan	ctttcgantc	ggcacgagga	acatatgaaa	atacaactta	aataataaac	60
agtggaaatat	aaggaaaagca	ataaatgaat	gggctgagct	gcctgtaact	tgagagttaga	120
tggtttgagc	ctgagcagag	acatgactca	gcctgttcca	tgaaggcaga	gccatggacc	180
acgcaggaag	ggcctacagc	ccattttctc	atacgactg	gtatgtgtgg	atgatgctgc	240
cagggcgcca	tcgccaagta	agaaagtga	gcaaatcaga	aacttgtgaa	gtggaaatgt	300
tctaaaggtg	gtgaggcaat	aaaaatcata	gtactctttg	tagcaaaatt	cttaagtatg	360
ttattttctg	ttgaagttta	caatcaaagg	aaaatagtaa	tgttttatac	tgttttactga	420
aagaaaaaga	cctatgagca	cataggactc	tagacggcat	ccacccggag	gccagagctg	480
agcactcaac	ccgggaggca	ggctccagcc	tcancaggtg	cngagcccg	cacttgcacc	540
aagttctcact	ggctgcagta	tgacatttca	cnggagattt	cttgntgctc	aaaaaatgag	600
ctcgcttttg	tcaattgaca	ggttcttttt	tcttactaaa	cctgtacttt	ttgtaaatac	660
acatagcatg	taatggtatc	ctnaaagtgt	gtttctatgt	gacaattttg	tacaaatttg	720
ttattttcca	tt					732

<210> 2321
 <211> 1025
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(1025)
 <223> n = A,T,C or G

<400> 2321
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 gaggaagcac nagggaaant ttncgcngc aaanngcnca gncncgaata cggatgggcc 120
 tcgcctatnt ggtnggctga ntagaaccaa tggactnggg ggtgcccacg gngggctcct 180
 ngngctgggg aatccaanaa cnagggattn aataaganct accntgggcn tnccttacc 240
 aaanngccna cttgcttcca tttgncgnga accntcaacc cccttgatg gncggatat 300
 ncaaaactaan gaacnggaac cctaaaagg nccntnecgt cccannntnn tngnaantcc 360
 ccanncggt ttcnancct ttccttggc cccctcgcn gaaggcaatt anctgnttg 420
 ggccccctg anccaaccn ttnaaaatc cttgngcagg cccctnncng gccattgat 480
 nnggaccacc ggtnggnttc cncannanc cgaaccgaa angggaaana aacatggng 540
 ggtaaangaa ccnttaattg ccaggatcc tcttttngg ananttaatg ggngaaaaac 600
 ctcaaagnaa anngntggg ccnaaataat tgggggggcc ccttaccaaa atgatgggtt 660
 nttncnaaaa ctatcctaca ntgattgctn naagaacaca atacctggcn cccnccgag 720
 gacaangtca anttgctcna aaagangaaa acnggttnn tctttcaagn tacttcttt 780
 ggaacncgnc ncaanggang aactcgaanc tctacaaca anttngtgg cnnncagccc 840
 ttaagaactt nncganngcc ttgaaagnaa caaanaaagg gttttgaacc gtgctnaanc 900
 aatttncctg gaaacgatcc anantcttg gcccttggca atgttttcag gtgcntaan 960
 aaaaaacagg gtggcaccia gcattggagc cttaanaaaa actaataacc taagtangtt 1020
 ancan 1025

<210> 2322
 <211> 717
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(717)
 <223> n = A,T,C or G

<400> 2322
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 ttataagcc tgttgattgt ttagatacgg ttagccagt ttatagttac cctgggtgct 120
 gaaaggtag ctggatgata cctaaccaac agagaacat tgaatgccgt tcaaaatgga 180
 ctgaagcatc agcaatgtct gaaaaaggcc tgacagtaat gtacatgtca aatggcccg 240
 aatttaagca gagtagagta agtagaagaa taaacatggg gaaagttcca gcaacagagg 300
 aggctttgag cttttgctct tcactctgag tggatgttgt tctcaggtgg taataggcca 360
 tcgagcttcc tccactggct gnetctctgg ggaacaaata acccgaaaag atactcagca 420
 ccctggttgg tacatagggtg gtcagttgat ttatacttcc tgggtttcag tgttgcttga 480
 attttctaaa tggaaacaca gtacctttat aatcagaaaa caatcccnag ttttgatttg 540
 aggggtgtgt aaaaaagggt natanttttn tattataata agctccnng nccntnttaa 600
 aaaacntttt gggggngcgn tnttangntg anaatccca nancttgann nagatatanc 660
 tttgtnatgt ngtttngggg nanaaacnc nctctctnan aatataatnn ctncctcg 717

<210> 2323
 <211> 773

<212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(773)
 <223> n = A,T,C or G

<400> 2323
 gtttatcctt canctcttgt tctttttgca ggatcccatc gattcgaatt cggcacgagg 60
 gatagccac ctcatgttcc tgttcctgaa ctctcaacag acactgttat aaatgtgatc 120
 actaatatga caaccaccat ncagagtctc tttccaaatc tccaggtttt ccctgcgctt 180
 gggtaatcat gactattggc cacaggatca actgcctgta gtccaccaag taaagtgtac 240
 aatgcagtag caaacctctg gaaccatggc tagatgaaga aagctattag tactttaagg 300
 gaaagggtgt ttttatttca cagaaagtta caactaatcc aaaccttagg atcatcagtc 360
 taaaacacaa acttgtacta cggcccaaata ataataacac tgaacaagac ttgacccagc 420
 caaccagttt gaattggctag aaagtacatt gaacaactct cagcagaata aggagaaggt 480
 gtatatcata gcacatgttc cagtggggta tctgccatct tcacagaaca tcacagcaat 540
 gagagaatac tataatgaga aattgataga tatttttcaa aaatacagtg atgtcattgc 600
 aggacaattt atggacacac tcacagagac agcattatgg ttcttttcaga taaaaaaagg 660
 aagtcagta aattcttttg gttgtggctn ctgctgttac acccagtgaa gagtgtttta 720
 gaaaaacngn accaccnatn ctggtatcag actgtttcaa ntatgaacct cgg 773

<210> 2324
 <211> 733
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(733)
 <223> n = A,T,C or G

<400> 2324
 ctttnacctt ntncgantcg gcacgaggga tagcccacct catgttcctg tacctgaact 60
 ctcaacagac actgttataa atgtgatcac taatatgaca accaccatcc agagtctctt 120
 tccaaatctc caggttttcc ctgcgctggg taatcatgac tattggccac aggatcaact 180
 gcctgtagtc accagtaaaag tgtacaatgc agtagcaaac ctctggaaac catggctaga 240
 tgaagaagct attagtactt taaggaaaagg tgggttttat tcacagaaag ttacaactaa 300
 tccaaacctt aggatcatca gtctaaacac aaacttgtac tacggcccaa atataatgac 360
 actgaacaag actgaccag ccaaccagtt tgaatggcta gaaagtacat tgaacaactc 420
 tcagcagaat aaggagaagg tgtatatcat agcacatgtt ccagtggggt atctgccatc 480
 ttcacagaac atcacagcaa tgagagaata ctataatgag aaattgatag atatttttca 540
 aaaatacagt gatgtcattg caggacaatt ttatggacac actcacagag acagcattat 600
 ggttctttca gataaaaaag ggaagtccag taaattcttt gtttgggct cctgctgtta 660
 caccagtgta agaagtgggt tagaaaaaca gaccaaccaa tcctgggtatc agactgggtc 720
 agtatgatcc tcg 733

<210> 2325
 <211> 897
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(897)

<223> n = A,T,C or G

<400> 2325

atantccntc	taacttctgc	ctgaggtcga	ctctagagga	tccccggtac	cgactngaaa	60
naaanatata	ttgagccttg	ngacgagccc	atntctnctg	taaatnangg	gntccntttc	120
tgactagaaan	ncnncagtg	ntctngggcc	ataagtnttg	ctgcnccttg	gtntttttatt	180
ttagnngtnc	atgaacctac	aanggtggcg	tcacttctgg	gtacantttt	ttcaaaccac	240
atngttttca	ntcngccntt	ntngttgntc	ctaaacttgt	aactgcccc	cncnanggc	300
tgnnggcct	tattnnnaan	gggcngtcan	aaantntttt	tngatngccn	gngngnaaaa	360
ttaaaaaaa	ancttngggc	caaanggggg	gtaaaaactc	tncattttgt	cttcttngg	420
ggttctcngn	tttatttctt	ttngncecgg	ttttncecgn	gmncttcctt	tttttccaan	480
anagnnttt	atatgggtgt	ccccctatcc	ccaatnggaa	gccagtcctg	gggttanacca	540
ncnccctccc	ttaaccncct	ttattacccc	ngnggggncg	tccnccggtc	agggnatccc	600
caaatttant	tgnttcttga	nggggccttt	ggtncngnaa	aaaanccttg	gnggggcttg	660
tnnctttcaa	cattattngg	gcnnctctct	naaaaaancn	ngtttttnng	ccntttgncc	720
gtgngaagcc	ccnnttttta	nncnaggggn	nnnttttttn	nacttgggan	aacnattanc	780
ctnntntggg	tattnttgg	ntanacngan	tttgcnnntt	cgctttggta	aaannactnt	840
tacaaaaanta	ccgattacaa	attacctcat	tctgnggnat	gcacntctgg	gagnttn	897

<210> 2326

<211> 874

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(874)

<223> n = A,T,C or G

<400> 2326

nctctnctta	nataatntta	tatcnanttt	attattttan	ntnntctctt	tnananannn	60
tngtnttann	ntngttannn	ttactnntta	nnancnnnnn	nnntntntga	accccttaaa	120
acnnnnccgag	tnanantcac	anatgactgn	ncgatatagn	aaagctatgt	agacatnttt	180
ggagctctta	ctgtncataa	ctgnacagct	gtgcttaaaa	cccttatttc	atataaatgg	240
ccttaagttt	tctaattcaa	gcggtttttt	ggaaaaatnt	atggtctcca	ttaaaaataca	300
tattacaact	ggggtagatt	atttgtggtc	cagtgtctgt	gatttaacct	tgcgttttgc	360
tatctgattt	ttatttttca	caggggctaa	gcagtgactt	tcattctcac	tcactcttaa	420
tttgtcgagc	gtcactacac	atgcaccgtg	ttgcagtcct	ttgagccctt	gtnttgtaa	480
tctgtgatgg	agtgtgaatt	gtgtaacggg	cactgngttt	acactctcag	gtgtttggcg	540
gggcgggtcg	cagacttcaa	tggtccccctn	acggaaaagg	ccaggctncc	ngtggacggc	600
caaacttncc	tgccccgctc	cttcagcang	tgactgtctc	tgccantttc	ttacctggct	660
gaaggattct	tgctcaagta	agctggaaca	aatgctgctt	gtcacacagn	ctttttctnt	720
tgaaactttt	angaaggctc	ccttngtnca	ccaaggcaan	tggggagctt	gtagaaccaa	780
cccgannncc	actttgcccc	acaattcant	tgctnacctg	gcnttcaact	gngaaataan	840
gtttaaaggt	ncacccgggg	actttctnct	taag			874

<210> 2327

<211> 730

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(730)

<223> n = A,T,C or G

<400> 2327

ttgacncnt	tcgantcggc	acgaggagct	gacccctgcat	catgcccggg	ccagcgagtg	60
cagggacgtg	gaggggttca	aaaccgagat	ggccatgctg	gtgaccag	ccaggaagaa	120
caccatcacc	ctggagaagc	ttcatgtgtc	cagccttctc	tctagtgtct	ttaagtgtgt	180
ggatgactca	caaggtaaag	cttgagagca	actttgcctc	cattgtgttt	gccatcatgg	240
tggtggaggg	gcttggccgc	tcactggacc	ccaaactgga	catcctggag	gcagcgaggc	300
ccttctcctc	acggcccagt	gtgccccccg	tgatggggca	gtggcctctg	tgggcccttg	360
tcaagagctg	gaggccactc	ccaagagcct	ctcctatggc	agctgggacg	ttttaaaatt	420
gggacaccaa	tttcaaagt	aacctnncag	tggtggaagg	cacaccatgg	cttctctgct	480
tggtttgagg	gtctgttcaa	aagctttggg	ccaattaggg	agtaaaagga	gggaaggggc	540
ctatccattc	cattgtggaa	gctgggccag	gtgccaggga	cactctcctt	cagggaaaat	600
gttatgtgga	ggaggacgaa	taaatttatt	ttgtttttaa	aaaaaaaaaa	aaaaaaaaact	660
cgnnccttta	aaactnttag	gggagnntn	ttaccgtaa	atccanactt	gataaaaana	720
nattgatgaa						730

<210> 2328

<211> 855

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(855)

<223> n = A,T,C or G

<400> 2328

nnatcctntc	tcagcttgc	gcctgcaggt	cgactctaga	ggatcccctg	tacacgagct	60
ccaannnanc	ctatantgag	ccntnttaca	annccnctgg	ncgccgtaaa	ncangggntn	120
ngaantntgan	naanaantan	gcaantgttn	ctgnccnta	agtattgctg	ncttgccctat	180
tttactagt	taccnatact	acaagngcgt	actctggctn	tttttcaacn	catgttntat	240
cgctcnagtt	ttctacttta	tgtgagcaag	ggtgctgtg	caaggtgtaa	atattcaacg	300
ggaataaaac	tgccatggga	aatttttntc	acgnccnnnn	cncncttttt	gnctctttca	360
aaggtnatn	ncccatccat	gancnnntt	ttccnctcc	aatnttttaa	tcnggggnc	420
ccttnagggt	atcnannnta	ngngttctgn	gggctgggg	gggggnttgt	cntgggggaa	480
ctgcccttta	antnttaagn	nacactacca	gaaaaacaca	anaaaggtna	tggnnacngn	540
gtgnatgccc	tggatttgga	aaagctnggg	nctccgancn	tctnttngn	ccttgggncn	600
nacggntatn	antcttanna	gctggggtnt	tnantttctt	ggnaancctg	gnnccgnntc	660
aatttttgng	cttttttnga	cccnggntt	tgatttataa	aaanggggtg	tcttnccatt	720
taaccnaaaa	tacctttanc	cttctaaatt	cctttncnt	nnaaaggctn	tccccttgn	780
cagatncnecg	ngggacnccg	annaanttgn	tcntaacc	antttttgat	gggggggtat	840
atanaacccc	atntt					855

<210> 2329

<211> 1194

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1194)

<223> n = A,T,C or G

<400> 2329

gatnnntnaa	acnccccttn	tttnnccaaa	aanccttacc	ctgggtgtgc	tttttttttg	60
gnnaagggn	aaacccccn	atccggaatn	tnccnncat	atcntgngna	accggaatnc	120
catctcagga	ctacacatgt	atggagaana	tgaccgcata	tnttttttat	tcaaancgcc	180

tacatatata	tcacctcgca	ccagacagng	gggggttttn	ttntntnaa	cnaanngcna	240
ggntaccnct	nactgangaa	gnaaaactaa	naaaatnnat	ccacagtaat	ananaaaaaa	300
acnnatgnat	caannngnac	cagaatanca	agcnatanca	ncanccaaca	nanannagan	360
actnnngaaa	aaacanaaca	ccntntntac	naanaaanna	cacgannnta	naattgatta	420
cagacgnaaa	nncantnnaa	aaataacccat	nccttatcnt	antaaanttc	aaaaanntcn	480
tacaaaaaac	annaatanga	ntaaaacnaa	nttcncannn	aganagnana	gaaanacgaa	540
aaatanatnn	ncattanncg	ntnnanctat	ancacanaac	nctganaann	cccaaantat	600
gnaaataaac	ttntntntnn	caaacngnnc	atncgancnn	tgaaatnanc	atactaatnt	660
anaaaanncn	ccanatnann	cactaaaaaa	tnnacanaat	aaacnacact	anancgtatt	720
nangtanaca	ntnaacnatn	gnganntgat	cctncacatt	atntacnaca	taacacatan	780
antgtntnnc	ttngananca	tnnacanncg	nnacatatat	agtatnnata	ctcatnaccg	840
tnncannata	tntaacactc	gatctaaana	gatacatatn	caatananga	aatagaaact	900
naatanatna	atatcgagag	gatctanntn	taagcaaaac	tnanantatc	ncttangtnc	960
ataaannatn	gtccnactna	nctatcaaca	taanatagnn	tanacatttt	acctctaccg	1020
cgn gcgttca	tntatcaaca	cacaataatt	atcgcantn	atntactaaa	aaactccnnn	1080
atatntnctn	ccgacatnan	atatctgtaa	agaaatgtat	actactancg	cntngaana	1140
ctatatgatc	acnttaacnc	tnacgnnang	taanatntat	ntntnnncnn	ncgt	1194

<210> 2330

<211> 727

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(727)

<223> n = A,T,C or G

<400> 2330

ttnancaccg	ntcgaattcg	gcacgagcac	aggccctttt	gtgatgcgtt	ccacgtgtag	60
gagatgtggt	ggcccgcggc	tccatcatca	tatcgccctg	tgtggtctgc	aggggagcag	120
gacaagccaa	gcagaaaaag	cgagtgatga	tccctgtgcc	tgcaggagtc	gaggatggcc	180
agaccgtgag	gatgcctgtg	ggaaaaaggg	aaattttcat	tacgttcagg	gtgcagaaaa	240
gccctgtggt	ccggagggac	ggcgagaca	tccactccga	cctctttatt	tctatagccc	300
aaggtctctc	gactgactcc	gtcccagatc	ttctcagctt	aacggctgaa	gactgacact	360
gcccgatcgc	ctcagaagcc	cccgaaccatc	acggatgccg	agcttcgggt	aactctcgca	420
gtggaaggat	gcttcttatg	gtcaaagaca	ttcatcttcc	tgataggaat	gaagtggaaa	480
gctccagcaa	caacagtcaa	gtaatggctg	gctcttcact	tgaaaattat	acaatataaa	540
aaccgtgttt	atgaactctt	tataatatta	tctttattat	ttctataaaa	gcagaatagc	600
atgtgtgtat	gtgatttaat	tctaactgtg	caaataaaac	cattaaaacc	aaaaaaaaaa	660
aaaaaaaaact	cggccnttta	aaacttttgg	gnggcntttc	cgtaaattccc	aacctgaaaa	720
natectt						727

<210> 2331

<211> 1120

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1120)

<223> n = A,T,C or G

<400> 2331

nttatnecgtt	acaagencct	ggctntttgc	gcanccctc	gattcncatt	ccnggccagg	60
ggnggggaag	aaatncccn	nnaattgggt	gcnccccnt	aaagggggcn	ncttgggcgc	120


```

ggccncctt aaccgtnga tgggaananc cggagnataa ggaaggtnc tannctnggt 180
gggntcctta taaaatttcc tcngatncc ttggagaagg cggacntcan ngttttanan 240
cagnttattg tcngtcnca gatctctaaa tncattttgg gancntanct ttgacccctt 300
taggtcagaa anaaaatctt ggaagcctg gggctttcct ggaaggggtca aagaaggtaa 360
ctttcagggg nttaagcca ggaattggg ccattatttg caccaccctt aaacccttct 420
cggannatcc attcaagcct ggccttttcc aaaaccattt ttaaatttng ggcccagggg 480
tttattggaa ttgggncaaa aaaaattccc aggggaaatt cancccttca agccaggttt 540
aaaattaaaa aanttaaaaa ttaaattntt ttggggncn aattanttgg ttacccccgg 600
aaaaattttt ccccaaaaat nggggaaaag tnggcctttn ttccttgggg gagggagggc 660
ccaggaaaaan ccantgggaa tggggaccn aaaaggggtt tccggaagg gaaaaaaanc 720
caaancttcc nccncccc ttanttgna aaatttttgg gaattttttt ttcccaaaa 780
aaaggggtcc tttantttng gggnaaattn ccccttccgg tnccttgggt cctttncccc 840
gggaaanccc nccnggcc cgggttntt tccanccaag gnaaaacctt tttntttcca 900
aaaaaccctt tggggggggg aatgggttcc ccttantttt tgggaatggg nttttttttg 960
gccttngggg ggggtttngg gggnccttcc ttttgggncc nnttttnccc cggtttggnc 1020
ccaaaaggga aaaaaaac tgggccncc ggggtntttt tggnccccaa tnggaatcct 1080
tccaaattcc cctgggnaat tccttccatt taaaaatngg 1120

```

<210> 2332

<211> 720

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(720)

<223> n = A,T,C or G

<400> 2332

```

nctaaccntt ttcgaaccgg cacgagggcc agncagctgc tcacactgna caccacctct 60
atnntcctgc gctntgacc tgcgcctcc tgcgggagc cccgcctgct gncngnntgc 120
gagggcgat gctgctgntg ggacgtncgg ctggaccacc cccaaaagag gaggggtgtg 180
gaagtggaa tegtntntc tgagggtcc gagcatntgg acggagagtg gatgggctgg 240
catttgtgaa tgaggacatc gtngcctcca angggagcgg ncngngcacc atctgcctgt 300
ggagntggat gcaaatntgg gggggacng gcaancagna canaatgnca ttggnggtnc 360
ttngctgct gcnatggana gccaccgatt tgcctactta tcctcagacc ctgnnctgat 420
aaggggattg tgctctgagg ggatgatacg gcaacntgtg gctctacgat gtaacgaaa 480
tntgaagca ngacaccnct gatgctggta nccatgtngg ntgcacacag atactganat 540
gnncccaacc ccttggcct tgnccaagt gngacaaaa ccatggtnaa nacantgggt 600
gganaatgnn tcttcacata cctgnacgac atganggact acanaattta ccatctggng 660
gangatgtag acntacacca tcccaaaagn accnnngnca cannttanta anttattnt 720

```

<210> 2333

<211> 789

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(789)

<223> n = A,T,C or G

<400> 2333

```

cctaactctt tcaacccng gctttttgca ggaccctcga ttcnaattcc gcacgaggag 60
agtggcnccn taaaaagctt tttttgagna cggggaccn naaaggacca ccnnngncag 120
gaccngattn aaagaattnt ngaccngccn gggggggacc ttcaanaacc cancttgaga 180

```

```

gggtccaacg ngaagggagc tntntttgaa gagatgctgn cncactgca catgtcacaa 240
agtgtcagat gnagaatttt agggctggan ggaagatgta aaagatgaaa aatgttttcc 300
ttatcacttt tctttctcca cccactcagt tgtctaagaa gaaataacac tgtaaggaaa 360
tttaaaaaaa aaacatttag aggattatgc ttgttttgag tgggtgcataa gggaaaaaac 420
tgactttttt ttccatattc tgatttttaa ccagaaaagc cactcattta atagatgtag 480
gggaaaccta gatattgctg ccttttgtaa tgggggtagg ggggggttac ctgggttttt 540
atgaccaggg ccntaagatc tattatattt gctttttaa taggcagat gtggaaatac 600
catcttggtt tgagatgcca ttgaggattt ttaatttatt ggaaagcaca ccatatgcca 660
ttatatttat tggaaatcct anatgccagt attgggntat ttaaattggt naaactttat 720
gaaaacctgg gaaaagggtg ttcaagggtt ataaaaagcc ttaagtgatg ccnnccctct 780
ttaaaanct 789

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```

<210> 2334
<211> 794
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(794)
<223> n = A,T,C or G

```

```

<400> 2334
cttgaaccc tcgantcgcc cgcacgangg atttcttggg gntggggacc tattntcann 60
gctttnggcn tntggntacc nggggttnna gattangggc ctttnatacc tnnngnncn 120
ncaaatTTTT ttgncggatn aagatngtnt gttngtanct aangtnaanc ttnnaaccng 180
acctctntcc ngttttanta angntttttt gcaacctnct ggtaaatngc aaaatcaatg 240
gccaatgggt aaccaaagaa ggaaaacgtt ggggtgggac ttgtctctt gcaccggtat 300
ttcaggaaca atctggcttg ccatcccccac agctctttaa aactggctat ttatgtgtgc 360
ctttcattct tacatttcta atcatactgc aggaaaaaca ttggattcag ctttagactg 420
anggaaaact ctccattatg ttgtaaagaa attatagatg tttagagagac acttttttgt 480
taaaccagat attggactcc agcaactatt ggggggtata tttttagttc attgntctca 540
tttaatggct aaaatatccc tttatatattg gcttttaaat aaattttcct ttttttcctt 600
tttttttttt tttaaaccgg gagnetccc tntttgtttn cccagggcctt gganggggca 660
aggggcaaca naaacttngg ggttttttgg naaccctttt gnttttnccc angggtnaag 720
gccggaanaa tnccgggant tcagcccttt cgggagnaag ggggggcnct ttcanggggg 780
cgtggcccn ctng 794

```

```

<210> 2335
<211> 729
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(729)
<223> n = A,T,C or G

```

```

<400> 2335
ntttnaaacc cccttttnna aacangggaa cagtgtgtaa ggaacttgtg cacatcactg 60
actggtaccc cactctcatt tcactggctg aaggacagat tgatgaggac attcaactag 120
atggctatga tatctgggag accataagtg agggctcttcg ctcacccga gtagatattt 180
tgcataacat tgaccccata tacaccaagg caaaaaatgg ctcctgggca gcaggctatg 240
ggatctggaa cactgcaatc cagtcagcca tcagagtgca gcaactggaa ttgcttacag 300
gaaatcctgg ctacagcgac tgggtcccc ctcagtcttt cagcaacctg ggaccgaacc 360
ggtggcacia tgaacggatc accttgtcaa ctggcaaaag tgtatggctt ttcaacatca 420

```

```

cagccgaccc atatgagagg gtggacctat ctaacaggta tccaggaatc gtgaagaagc 480
tcctacggag gctctcacag ttcaacaaaa ctgcagtgcc ggtcagggtat ccccccaag 540
accccgagaag taaccctagg ctcaatggag gggctctggg accatgggtat aaagaggaaa 600
ccaagaaaaa gaaccaagcc aaaatcaggc tgagaaaaag ccaaagaaaa gccaaaaaaa 660
aaaaaaaaa ctcggncctt taaaactatt gggngcntnt tcctaaatcc ccacntgata 720
anatccttg 729

```

```

<210> 2336
<211> 825
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(825)
<223> n = A,T,C or G

```

```

<400> 2336
agtgaacctt tgnactcnnt tttttgagga ccatcgattc nattcggacn aggttggaag 60
tgaangcatt ttttttnttg gentatatcc ntgacatatg gggggnantt ttaaaacnac 120
ngngcctaac cgtgttntaa aactttggna gtaaatgaac nttnagaatc cnttttgata 180
aacctgctgt aaangttttt tcccccttgg ngaangtttt ctaactttgc ntgggtaatg 240
gcaattnact aggtgcggng gttctaaagt tcgaaggcac gatatgcgtg tccatcctta 300
ccaaaggatg gggaccgcaa accgagccgc caccggcact aacctatgac cttctgacct 360
ctgaactctt acccatngat gacctgacca tgcctgcctg ctgatcaagt taactgggta 420
atcgcccttg cnttgccctg cgtcagtggc anccgaagcc tgaggcactt gntccgttcc 480
gtcttanctt tntaacccaa accaaaagga caaaagaaaa ttggttggn cttcnacctc 540
ancntttttt tttttttttc ctgggttggg gtggaaaaag tgggttctaa aaaactgcac 600
ttggaataag ttangtaaaa gccaatgaag ggncccaatt tcattcccac aagcacttgg 660
atcaatcttt ttaaataatc ccanccttta agccgaaccg ggtaagaaag ggccctnttt 720
ttaaanaaag ggggaaaaaa agatnggncc ttaactanc tcaatggaca gaagggcagt 780
ttacctgggg gaaaaaaact tnttanggaa atcttttttn ttttt 825

```

```

<210> 2337
<211> 778
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(778)
<223> n = A,T,C or G

```

```

<400> 2337
gactnactct ttnaactact tgttcttttt gcaggatccc atcgattcga attcggcacg 60
agggatagcc cacctcatgt tccttttccct gaactctcaa cagacactgt tatanntgtg 120
atcactaata tgacaaccac catccagagt ctctttccaa atctccagggt tccccgtggc 180
tgggtaatca tgactattgg ccacaggatc aactgcctgt agtcaccagt aaagtgtaca 240
atgcagtagc aaacctctgg aaacctatgg tagatgaaga agctattagt actttaagga 300
aaggtgggtt ttattcacag aaagttacaa ctaatccaaa ccttaggatc atcagtctaa 360
acacaaactt gtactacngc ccanatataa tgacactgaa caagactgac ccagccaacc 420
agtttgaatg gctagaaaagt acattgaaca actctcagca gaataaggag aaggtgtata 480
tcatagcaca tgttccagtg gggatatctg catcttcaca gaacatcaca gcaatgagag 540
aatactataa tgagaaattg atagatatct tcaaaaatac agtgatgtca ttncaggaca 600
attttatgga cacactcaca gagacagcat tatgggttct tccagataaa aaaagggaagt 660
ccagtaaatt cttttgtttg gtggctcctn ctgntacaac ccagtgnaag agtngtttta 720

```

gaaaaaacag accaccaatc ctgggtatta agactgggtt cannaatgan ccctcggg. 778

<210> 2338
 <211> 940
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(940)
 <223> n = A,T,C or G

<400> 2338
 cgggnnnnnn nntnancntt nncgntncnc ctttttacct tccaggggcc tttggccctt 60
 ttaannangg ttttttngga agaaaaanaa tggaacnttt gggaaaagna agntccaatg 120
 gttgntgggn tttggggccc acccgntttt tnattggggc cctttccttt tccaagnaag 180
 ngtttcaaga accaangnaa angttattgg aatggaaagc cccttttaag ggtggtttac 240
 cangaaaant ggcacctaaa aaatggggga ataaaaggac aaatcttcca aaatctttaa 300
 ngggggancc tttcccttta ctacagaatt caaatgcgag atcttggagg ggttacaggg 360
 gaaacgaggg tatcagttac ttcagcttcg actgcgcaga gagcatcatg gattggtatc 420
 tattgttacc atttattaga agattatgaa atgcacaaag atttagaaaa ttaggaacca 480
 cagcatcctg caagggtgta tgaatttagg actctcttat tcagatcaag tcttcgggag 540
 caggctctat agagaacttt ggacatcttg acctatgaaa agcagatttg tgataacttg 600
 ctgtagaaga aaccaaaggg ggaacttctt gttgccaact attgtcgttt gggaaaagaa 660
 tgctgcagat gttttagga ggatttgcaa agagaagaaa tccttgaaaa acttggggcc 720
 ctattaccaa aaggcttttg gaaaaaagc cacttccaag ccnagcctt anattntggt 780
 tttagnaac cgggcnttaa aaaaaatttt attggaangg gaaagncccc tngggacctt 840
 aaaattnttc cccaagggg ggaacttggg gtggcccnna nnaaaagggc ctggccccgt 900
 ttnaaaaacc tttttttttt aattcttngg gggngggngg 940

<210> 2339
 <211> 1481
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(1481)
 <223> n = A,T,C or G

<400> 2339
 gnnnnnnnan gttnnananna nnnnnnnan ncnntnanna aggtnannt nnnngaaggg 60
 ggnngnnnaa nacgnngnn nnnnnangtn ngatggngga ganannnnnn nnnnnnnng 120
 ngcgggatnn nnnnnnnnn nnnnnnnnnn gnggaagtaa aaccctntt nccaanactn 180
 cnccggngg ncctttnttc anagaaaacn acaccgnggn gncccccnc ggtggggggn 240
 agacgannca tcacatacng antntgtagn atntgaataa taatatttcn tgntcganat 300
 ttactngctn ctgnactnna tgcggggggg gggggtgtct ttnatatnnt acgnatggcg 360
 ncccncctat nnagttaacn tanactangn ggnngancn ggnncncgg gaacattnan 420
 cnnnatgna ctgantcann naaccactga atcgcgntng tgnaaannnc tanngcttta 480
 tgnacgaatn anggaaaaga atnttncnag cgcganantn gcaggcaann nnnantanna 540
 gntncannng aaaacgtncn gnanngcgtg ngnacancng gtatnncgnt anangtnnta 600
 acntnagncg gnntggtann tntagcantn nncgatgtnn gcgagtanga gtancancnn 660
 gatgangcga tatntgcac tcgnntatng tgagnatnta tgatacagnn agatcnggga 720
 agacannaag ngcgcgatg ttgnaatata tngactgagt gnagcangcg cgacgnntcg 780
 cactacacac gagangngtn nctcgcatth gancttgaat nnacaccgnc gacanacgan 840
 tananatcgn agnntannga canatactgg gtatatctct acgacngana gngtatantg 900

```

actcctctta agggagagag tngnacanna gtgacgtnta cgacangnta cgacgagtnt 960
gcngagaaca gnagagacta anngantaca tatatgtnga tgtgaagcnt agtannggc 1020
atctcgggtc gtatcnnaga tgtatcatag nntgacacgn cgtcncgagc ncacncanan 1080
cgcgtnncgc cntnacnnnc atnntgntat atnncngnnt gtgttacana tagaatntcn 1140
nactannnag cgnaatatna nnangcnata annncnnntg annacgacnc gctncngnan 1200
nntgntanta tgagaagtna atcangcnnt cgntnggaan natcgntgcn tntcgggcn 1260
nccngntnaa nttnnatgtg ngnnnnnagn nnntnnncta tnnatntann nantacagan 1320
ncgacangnn gnaaanagag tgtanntna cnaggatagn aagnnagggg ncnnnacgng 1380
ngaggngcng nagnnaaant gatgatgtaa ntanacanng caaanngtng gggantcnaa 1440
aacncgntna tancngnacg ncnnaggaga nagtnagcg n 1481

```

```

<210> 2340
<211> 740
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(740)
<223> n = A,T,C or G

```

```

<400> 2340
agtttananc cnetttantc ngccgagaat aaataatggg gacctgggta aatagcttct 60
ctacagccaa aanaaataat tgtcaaaata ancngancan cccccagaa ccgggagaaa 120
gantaggaac ttngtaanct gtgcctntgtg gacaaaagaa cctagttttc cagaaacctc 180
caggggaact caaatcagcc aagaaaaata aataatccca ccaaaaagtg ggcaaatgac 240
atgaatagac atttctcaaa agaagatatg caaatgggtcg agaaacatat gaaaaaatgt 300
tcaacatccc taatcattag agaaatgcaa attaaaacca cagtgagatt atcagcttat 360
tccgtctaga atggccatta ttagaaagtc aaaatacaat agatgtttgt gtggatgtgg 420
taatgcttat acactactgg tgggaatgta aattaataca acctttatgg aaaacagtat 480
ggagattcct taaagaacta aaagtagatc taccattcaa tccagcaatc ccctactggg 540
tatctatcca aaggaaaaga acctattata tgaaaaagac acgtgcccac atatctttat 600
tgcagaccaa ttcacaattt caaagatatg gaacccccta aatgcccatt gccaatgagt 660
gaataaagac aacgtgatgt atatgtattt cncccatgta atactactca ccctaaaang 720
gatgaagtat gtgtttgcac 740

```

```

<210> 2341
<211> 1704
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(1704)
<223> n = A,T,C or G

```

```

<400> 2341
nacgnngnaa nnaaganng ggnnggnnc nngnnaagan aacnnannnn naanangaac 60
gcancannnn acacangnga gagnaancan gnnccgnnaga cgncaaangc gcannncgan 120
annaanncga cgnnnnacnn ncagnnacag nncacggaga cgaacnnnac annncncagn 180
acagannaaa cacagcngc ncancanngc nncnnccccc cccnnnnccg nggaaacacc 240
cccttnnnan nccccncna gagaaaaangc gggcctcacg annncnacgn aacgaanggg 300
nccnaagnng gggngnaca aaaatttacc acaggggcca ggaacaacca ccgggggggg 360
caaactgncc aagngcggag accatactnn ggcaagaaag ncaagncata ccagnacaac 420
ngaaaaacag caccaaggac ngactggcca aangnctgga gganggacaa cnaanangaa 480
ngnccgaaan aacgaagccn angcngcnna atgggnnnncn accacgnann cncgaangaa 540

```

aganggacca	nnaanagngg	anngcngagg	gnacnnacaa	gnaanncgaa	nnaaggnnnn	600
ntgaagngaa	cnnannacac	naanngnagc	nnacncgann	cacggnacgc	cacagcagan	660
nccagacnna	ancnngcgga	aggcgagcg	aacgacacaa	ccggccccc	nnnggggggg	720
cncgcnccaa	nggaggggca	caagnaaacc	aaagngggca	cgnnanatat	ncangnncga	780
anaaacanca	anganaaacg	cgcccagagc	aaaacanann	caagacacac	accacncncg	840
ggaggagggc	aganacngca	naaacagagc	gagcgagag	gngacaccaa	aaacnaacnc	900
agnacncngn	ggaagcaaan	agngnnngac	gnacnnnnnc	ngcgacggga	tacgngggag	960
agacancanc	acgnacannc	gaccganngc	gcgnagacan	agacagacca	ncnggcanac	1020
gagacngacg	ncacggnnaa	gatnacnnna	cgacnngacg	cgngacngag	agcagagaaa	1080
anacggggcg	naagaaacac	gnaannngnc	acacgcgcac	ananagnan	anangnaaac	1140
gacnnaaaga	caggaggag	aaagnnggga	cacgngannc	anncagaccg	acacnngagt	1200
gngacacagc	gggagaaaca	cgngactaan	acacgaacac	gcagcnanac	acagagnaga	1260
cagcgangaa	gacacagnna	caagcgcgna	cgacgacacg	nacgnaaagc	naacngacac	1320
gcgnacgang	angcncngac	accacgagaa	cgacganccg	ananacacnn	gngaaagacg	1380
cncncgngag	acanacgcac	gntgnacgga	aagcganana	ncgagacacg	angagacnac	1440
ncgcacacaa	cacnnanang	cgnggacaga	ncacgcacaa	cagccgacac	ncgcgnnncg	1500
cggcncaccn	nacncgcgga	cnncaancnc	gncaacgnnc	ncncnngcgc	ngagacacnn	1560
cgcacncaga	gacagaacgn	gnnnacacng	acaggngann	cnacacacaa	gcnnancncgc	1620
gcgnagacgg	nncganagac	ngacgagaa	ncacncacaa	acgcngnnaa	cgnnnggnnaa	1680
cancnngccg	nanencacaa	nccg				1704

<210> 2342

<211> 815

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(815)

<223> n = A,T,C or G

<400> 2342

gatctacatc	tcctnttact	cagntcttgg	gcattggcct	tgtagnngtt	gcgaacctct	60
tagnagggaa	tcccccantc	tgngcacacc	gcaagccaat	ctnnattnaa	aagtacgnta	120
natecccttat	agngtagnga	ntttttnta	ngtaaanacn	aaaattttcn	ccctcgnncc	180
cgctnaaant	naccgggggg	ggggggcgcc	tttttttttt	ttnaactata	gcaaaaaaaaa	240
aataatctct	ctcgagcat	gntataaccc	naaaaaat	naatatactn	tccttatggg	300
ctcnccttaac	taaatnncac	tttttttcgn	ntaaantttc	ngtcnnnact	aatatnttna	360
aattnagggc	ctcaaaatnt	aatncttata	tttaccnaac	ntngttccnc	aaanctnact	420
annaaatntn	tatectnnct	ntntnnnggc	ataaaacacc	anacngngtg	atgggttanc	480
gcagngcgac	cnnttnantt	gccagtccta	ctccenttnc	ttnttttatn	cttntntanc	540
ncanccatnn	nattatacta	annttnaaag	gattcacttt	tttccntaat	cncattnnta	600
aaccttacga	ttntnctaan	ttgtttanag	gcttcattct	gacannnata	taanggctgn	660
gtacttttta	atatagacna	ctgacanctn	acccatncgn	nnnttgatta	tatgatncca	720
atctgccttt	ttaaaaatac	tattanaann	ttaccaattn	naanattang	ntnannantc	780
gannttattn	tntancnttt	anaacattna	tacnn			815

<210> 2343

<211> 1440

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1440)

<223> n = A,T,C or G

<400> 2343

aacacncacg	actnttngtc	aaaancgngn	aaatannttg	gcacnncatt	ctcaaanccc	60
gaanatanca	gcgnnttctn	nnnaacatca	gcgcgngaca	cngcanattg	nagatattnn	120
gagtatact	agtgaatnna	gncgnaaccg	gnngataant	ganagcntaa	nnanacnagn	180
gacatcnngn	ntncnncn	gngtttgnaa	aacccccgt	tacgcggcac	atacacctnc	240
tgatnngnng	ctatnngtn	gagactcatg	aagatcagcc	gtncaacnct	ananatcnnc	300
tcgactactc	ccacagcggg	gagagngggg	gganatctaa	tcanganaca	attnataatc	360
tattaactaa	atnancnctg	ganaccnnc	anaggngggg	gggngtgnga	atnctnggag	420
acnanaaact	naacnnantn	tncancctgn	tnatnactn	ngannganan	nnacgnnang	480
anngnnagcc	nanggagnat	gatatnaacg	cgatnnggga	tacnnngaag	ncngtggnaa	540
gtananngan	cgatagnan	nagancnana	atnatcggt	nngaggngng	nnggacatnc	600
cgatatntng	ancgcctcn	attgantnna	nnnantntnn	ncataaatnt	nananttngg	660
ntgagnatan	anncaangtt	gnaatacnna	cnnaaanagt	gnatnanntg	ancngancnn	720
ntncatacta	ncttggnccn	nnaacctnct	tgangcnnt	cgncgnaat	cntantgcga	780
nannacntnn	nnggtnatgn	angntnnga	gantntanc	cannntnng	nnatntanc	840
ncgnnttcnc	natncgantn	nncagngann	ntnaannnng	gnatcgncta	tcntnacgct	900
gcnnncaag	nnaangngcg	tntctanacg	gnnaggnnct	ancncnncan	cntgcancac	960
ncattgttca	tagcagccan	ntcncannnt	acanagtng	tcncgaagan	cctnancgaa	1020
nctgananan	tangcangca	ngnganagca	cannngagan	cgacatggtt	ncgagggtgc	1080
gnatncnctt	nagannagnn	gacannncn	gnactcncgc	gcatanccgc	cntananncg	1140
agctgctcnc	gggtgcacnt	atganannna	tctgtanan	aacaaanang	cgngtgaaact	1200
ncctatcatc	agggnnncct	ctannnatg	atacgtaact	tnatagnnct	aggnatnatc	1260
nggcangacg	gctgntgggn	gnnanncacg	ttatacacna	ncngcnnnag	annannacta	1320
ngtnanncg	gagnaganat	gnangctcnc	actactncnc	anacganngc	ntctgtncan	1380
aaganantgn	ncanacaaan	angtataact	gtgngncatg	cgncannag	atacacgcc	1440

<210> 2344

<211> 919

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(919)

<223> n = A,T,C or G

<400> 2344

gatannnct	ntctcaagcn	tgcatgcctg	caggctcact	ctatagganc	cccgnnggcc	60
ganctcctnt	aatatcntnc	anatganttt	tttacaacna	ctgnctcgcc	cttctacggg	120
gggnnttttt	tgactaaaaa	natncntccn	tttaacntan	ttaacctncn	tgnagataac	180
nnccccnttn	anccngctgg	atntaataac	taantaacnc	ccncaccnga	tcgnccttcc	240
aaacattntc	ngctncnatg	antatnga	ngcctcnc	tnacannacc	aantcacncc	300
cgggnnggnt	ntggntgggt	nacnacacaa	nnntnatcan	attcantatg	ncannnnatc	360
taanctnnnc	gttccttttn	ctttntctacc	ctntanttta	ctnagacnan	ngtacgccct	420
gnntctnngt	cnntcaaaanc	ntttnaaant	cnanagctn	ctttttaagg	gntaccanga	480
tttaatgncn	tttaannggg	aaccttcan	acccacaaaa	aanaactttt	nnnntaagg	540
tcggattggt	tcnnantggt	nnatgnggtc	tattcngtcc	ttgaaanann	aatgggattt	600
ctnccnncn	ctntctggan	cgggattnta	agnnccacnt	tnenatntaa	aattangncg	660
gnnncttctt	tgncceccaa	aacanngan	ccnantaac	cccagctcct	ttcnggnnng	720
agnttaattt	atattattgta	ataaaanaaa	gggaatttgc	ntcacnantt	ccnggacnta	780
attgaantaa	aaaaatcagc	tttntanaaa	acaaannnta	acncaaat	tcnaccceaa	840
antantanc	tncntaacca	nntctntngc	nagcnntan	ttctctntta	aanaactntg	900
gggggatttg	naacncccc					919

<210> 2345

<211> 724

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(724)
<223> n = A,T,C or G

<400> 2345
ngttacncc ntcgctaatt cactcttcag tagcttctaa aaaataagca tcatcaatgc 60
cattatccca gacagcatca gcagatgcac ctgttgacag cctgctaggat gatgggttta 120
tgaggattct gggtttcatt gctcctagtt tcatctgctt catctgttgt aaactcttct 180
tcctttattt cagtgggtgaa gggatagaga gtgggatagg aaaatattta ctcaggatat 240
gtgatttaac cttataactct atgttgaagt aaggtattaa gtgacagata ctaaagtga 300
tatgcaggag gaatgctgtc tccgatatct caccgtggga atgagtgcac tgattcaaac 360
gttgctgcac tgaagctcag acacacttga aactccaaat ttgaaattac ctacagtctc 420
gtgcacatac ttttcaatac tccccgacgg aagagcaagg gtggatttaa ttttttaaca 480
agtggacagt ccagctgaag acaaatcaga agataaaattt gctatcttga caatggactt 540
agtacccatg ctttaaattt taaagtattt agcaaatcgt aaacatggat tgaaaaaaga 600
ttaaaaaacag ttgcaaaaaa aaaaaaaaac tcgnccttta aaactnttgg gnggcgtttt 660
nccntaaatc cnaacttgan aanaactttg ttgggttngg acaancncac cntaaaaann 720
nnnn 724

<210> 2346
<211> 1085
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1085)
<223> n = A,T,C or G

<400> 2346
nengacnctt ncaactccng ngmntttaan gaaccnccg ggcceccnnc gggngggtcc 60
ctaatnctta ccaacnacn ntnctctgt cacnnaanc cctcgacggn ngggmntntt 120
ttttnnnaaa cctttaaacc cctccnaatn aagacctcnn ancgntnncc gnggatnnat 180
gaatatecna tnaccnctg ttnactnccc ntannntnt tactnagang nncngnttcg 240
cnaccnccgg cacnctccgc annnatngtc cncgngncg ttcgtataat aanntnctc 300
gctacggggg tngggancat acggatctcn cnacaatana cctctgatan ataannccga 360
aggcctcggn caatnntctn cgtccgtacc tntcgactct tcananattc ngncntactn 420
catcnntgtg nncnccgacg cntccccatc gntggcggn tngcggtnta ctngtgaana 480
ntcatntctg cnnacgaacn tncncatnca ntatttgagg gcaacacnnt ccnctacaaa 540
ntnncccca tccngcgcag gngggtctac ncanacatnn nnntatnntc cctnntcgcc 600
nnnaacncag gnnaagnnct cnggatccac cccnccgnaa antnaaatac tntccnntg 660
antnacctat nanagnngt tngcccnnc naangtctc ntntccaccn tcttntangn 720
tnnnaatngt accnntcnn anngaggcga ncnnnnnn anaagancca ntaatcaatn 780
cnetgcecca tngnnntnaa ntctcttaa cncnaacana ntgaanatcn atcncctcgc 840
nenggggtana ananangana taacnncnn cntccgcgac natangttnn gnnnttgacc 900
ccctactata acncanacnn acnncngnnn gnnngtncg cntnatggac nacgacctat 960
caanncccn anatacgngn cnattccca tcnntctct gaattatggn gncnngcaan 1020
ngacnccnc ncnangtgnc nnntgncnn ganntncatc cnggntccan agcaantnnn 1080
ngncg 1085

<210> 2347
<211> 749

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(749)
<223> n = A,T,C or G

<400> 2347
agntttgaac cccttaccag tacnccgcna agannatttc aacnnnngtg nttannncct 60
atgagannnt gctgnaceta ctgancctan gactgcaccn attcnanctc natnnagnat 120
gagatgncnn annngacata ttctcnanng nacnngctan atcttntata naccntggag 180
gctngtgana aantcgcana nnctcaacct gaatnngcca tnnnngaent tganacattg 240
gnaacgctag accctaagaa natactgcaa tgagngctgt gcntttgaac nctatgacta 300
nnagcaagcc ngggangttt tgnctcagnt nanannctct ntanatattg aagagaannt 360
catgtttctg aagactccct ncaatgtgga tangataacn naatancaan ntgaagnann 420
tgctgngcgn ancggcnnnc acctntnann cctnactcn tngaagcccn ngtnnnntna 480
tgncaagtc ctgactncat nacnanttcg gttnanataa tgnngccnca tcgntgcnaa 540
nnatncncca tgaanccgng catnngggcn cttncngta ntcncngctn cctggtaggc 600
cnaggcangn gaatcagctt aaaccccgtn anggganagt tgctgnggc ctagatnacn 660
caactgggnt tncagcntng ggccaccaga ggggagactt aattctttgn aagngtggnnt 720
ncnatgaana cmtnnannat tnttggtnt 749

<210> 2348
<211> 1678
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1678)
<223> n = A,T,C or G

<400> 2348
acntnacnaa agnatcgnnn nncaannnnc ncaanntcga agcnanacn cancnannaa 60
cnaggggngg atactnannn naacncnaan acgctngaca cggaangnnn nnnnnnnnac 120
ccnnnnanan tnnntntncg angcagcgaa nacancnata nnggtctgat atacnantac 180
acacagcnnn ngccancnc acanancnaa tntacagcta cgcgccccc tntanngaat 240
tatcaatata cgcgangtga ncgtacgnan acanctnaca caccnnttt tttctncaa 300
ncangncgna ccantnaaa nnacgcggcg gnnngagggg ngtnanatatt attcnnanac 360
atanaaatnc gcntaccnnn tancaccnan cncnataaac acncaanaa nagaccnaaa 420
tgaaatgaca nttanccgaa antanccacn acacnncgna tgcaactnnc ntcacangna 480
gaaanancaa tnatantatc ancaacactc cntacnacn nctcnnngca natncgaanc 540
catantnaaa cataanntnt gactacnntn nannggttaa cnacgntag acaaannaga 600
ngtctcnaaa cacnaaata ttctnncgtn ncaantannc acccctnaac atctacanga 660
tataaanann cagacaata cncntncata ncatntncnc agcacacgan nganancnat 720
gactnncgat ntannntnnn nannncataa agacgcntac acatnnntna anccnacaca 780
ntntcacnna naaccgacag atcaaanana atgcagnatc cgntcnccta ancnacgaac 840
gacaatgcta ctacatacgc ngagcgaccn agaaacnact aangatcnaa ntcggacacn 900
cacggncgtn ntnmtgata gacaaaccga cacaagacga cnaacgtaac cagcancata 960
cnnccaacac anncgannna tanncgatc taaagacact gaatcnatnc gccaatanga 1020
nagcgtctctg tncgagatac nactaagta anccatacnn cggagnaaga caggggaaaga 1080
tcgncacggg aaagncgngn atactgaaag nnnccnnnact acacncgnaa cgtgtnaaan 1140
gtaacnacgc natcgacctc acacgaccgn cagcctntnn acacanagag aaagcgacg 1200
cancacngna aangacngt tcgnccaaca natncncaa acganctgtn aaacgcangg 1260
cacaagtncg ggnanantn ncgncacatt acatcgngta atcncacgc nactatnaaa 1320

actnncnctc	ncacacnnat	gngagtcaan	cgcnaatan	cgcggggaac	aaatggccta	1380
taacanncta	caanatacgc	agctacatna	ctacgcacgt	caagcgctcg	atnanacega	1440
canatnnntg	atacacnaca	ccacacatnn	ntactnnnga	tnccntncag	nngacangac	1500
ncnngtaant	agnncntncc	tcgcnatntn	tcactnnanc	gnagnnacna	cnnanaant	1560
gcatacnc	antcaaagag	gatggacacn	tnncnnanga	tanncnanag	ctacatcnat	1620
annnatnnnt	ngagcnctng	atatncaanc	tncnactcac	aaacacatcn	agtgnccgn	1678

<210> 2349

<211> 1424

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1424)

<223> n = A,T,C or G

<400> 2349

gtactcgtna	anaaaccccc	cctnttttac	ccaaaaaccc	tttacctctn	ggnnttnctt	60
ttttttttgt	ccnaatggca	aatccncccc	atttcgggga	gttcccnccc	cccncnatng	120
gggtggagcgg	ananaantnn	accnaccac	ntcacnanaa	nagggcgctct	nanantcnc	180
natantacnt	atatatnatc	aannmccacn	ataccttaat	actatcgaca	nancnacta	240
tnngaggggg	gggggggtat	ttttttttat	gcannacata	aaaanttgnn	tatcactacn	300
ctanacnctt	antcatacac	gacatctnaa	tataactnta	ncataatnaa	nncncataac	360
caatnntaan	atncattttc	gnngatnntt	ttcaaacnna	aataaatnta	nttanctctt	420
annattaaan	aaaganaatn	anttcaactca	ctnctngant	anataaantn	nntactncaa	480
naataantnt	catacaatta	nananttaca	tnanttnnnt	atcncanaca	nacnnntan	540
tnnantatnn	cattatacac	tacnaagana	tattacatnt	anctacanca	tantctgntn	600
tattctcatn	tnatanaaat	nnnatnacna	ccntanataa	tnatgcatan	nntntataac	660
ntnatatntt	nctnnatacn	tatatacatt	atatacntan	agatataatc	ntntnacana	720
cnanactcctc	atnancctcg	attnaatnta	cacgtacaca	aatcatgnta	cncnctacna	780
taaancntcg	ntatntacat	aaaaacacaa	atgannacac	actaaatnaa	tcaaanattc	840
atactcgtat	ntctcatgtn	antacacntn	ctacngagac	tgnantacac	atatacacta	900
tcnctgtan	aatnngtgaa	atatnataaa	nacgaccnga	ttgccgagtc	atnngataaa	960
tcanacactg	tcaantctcn	cnananatgc	annactacta	tcaacataat	annataanat	1020
anancctctt	atatcattat	ncctnatata	tacnctaata	cattnataat	gannaatanc	1080
tatnacaata	cattatgaca	ataatcaana	tctacactnt	aacnatatca	tnatnatatn	1140
tatanagcac	ttatataata	nnactantnt	naacanatat	ntctagacat	nacaaactnt	1200
natnacacga	tanataatnt	atntntanaa	aatanatatn	ncccttgcta	tnatnanang	1260
gntaatnctt	aactactcnt	aagannatat	ttatcanata	ctaacnnnan	naatntccac	1320
nngnatctat	antatncngt	actaaaaaat	nnatntaaan	nacntntnnn	tcatnaaagt	1380
anacaattat	aatacanaaa	cctcntaaat	antntncana	aang		1424

<210> 2350

<211> 723

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(723)

<223> n = A,T,C or G

<400> 2350

tanacnntcc	aaatgtggga	actgmcnaaa	cnaannngan	caacntcaac	ggngtncnta	60
acntaatent	aatngcntcc	cgagacatcg	cgngtgggga	ggagctcctg	tatgactatg	120

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gggaccgcag canggcctcc nttgaagccc acccggggct gaagcattaa ccggtgggcc 180
ccgtgccctc cccgccccac tttcccttct tcaaaggaca aagtgccctc aaaggaatt 240
gaattttttt tttacacact taatcttagc ggattacttc agatgttttt aaaaagtata 300
ttaagatgcc ttttcactgt agtattttaa tatctgttac aggtttccaa ggtggacttg 360
aacagatggc cttatattac caaaactttt atattctagt tgtttttgta ctttttttgc 420
atacaagccg aacgtttgtg cttcccggtc atgcagtcag agactcagca caggtttttag 480
aggaaatagt caaacatgaa ctaggaagcc aggtgagtct cttttctcca gtggaagagc 540
cgggaccttc ccctgcaccc ccgacatcca gggacggggg gtgaggaaaa cncctgcctcc 600
aatggcctgg acgggatggt tccaagctct tgttccccta acgtctcaac angcgtcac 660
tgaagtgtat gaatatTTTT taaaaanggt tttgcagtaa gctaattctt ccctntgctt 720
ttc 723

```

<210> 2351
 <211> 724
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(724)
 <223> n = A,T,C or G

```

<400> 2351
tganncnntc gantcggcac gagcttcata taatgannct atnangncna aggnaaatta 60
nncaaangtt aagncnntgn gtccaaggnc nttcanntna aaaangganc ngggattnga 120
acctaaagta nccataaaaat ccttcctttt ctacaccacc atggtacctc ctatagtaag 180
ctgaattttg cctctaagct actagtcctc acaatttagt ttacaagtca tctggggcat 240
aaaaaccaga cacctagacc ttatgtagag attgctacag cacaggaaca ggtgtcttag 300
caagcatgac gtacaactaa gatgtgggtt accatggaac ccaatttgaa agtaatagtt 360
ttacattcta aggtattcca actatTTTT ttccttaagt ttcacatctt gatagacctt 420
ctacgggaatc tcttctccta aagcttgttt ttacagtgat cttgccattc ctggtacctt 480
acacattatc atctggtctg tggttcactt tttttttaa atcattgaac cctccttcac 540
ctggcttttt aaagccaaaa gcttttctgg agccccaga tcacccact atgtacttcc 600
tcatatttag gcagtttaca aaacattcac atttgggtatc tctgactctt aaaacatncc 660
tgngtagaan gcacaacagc tattatttct attttggagg ngaaaaanac cagggtacac 720
tgct 724

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<210> 2352
 <211> 761
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(761)
 <223> n = A,T,C or G

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<400> 2352
gntattcgtt cagctcttgt tctttttgca ggatcccatc gattcgaatt cggcacgaga 60
gatagtctct gaatttagaa ctgggacgaa agtgtncata ataggctntt ataaaaat 120
tagaattgga tttctaaact tggggtcagt gaatctagca ggcttaagca gtgttctcag 180
gtttttctgg cacagacaag gaatataaga ggaggagaga aaaggagaga cagtagtggg 240
gaggggaatag aatgagagaa gatagaaaat atggaattaa tagagaaagg atacatgaag 300
tattacaaga ttttcttggg aaaattggca tttcagtgat ggatcaaaga tgtctaatga 360
ggcaaaatac tactattact taaatattta atgtttttaa gatttgagga taaaaggata 420
tagatctgat ggccgttcat actaattgct gtantgttga tgttggagag aggggtaagt 480

```

tatcaagaca gagcagacag accctttaca atgagagcag aagatatgtt gtttactgat	540
tctactttcc cacaaaatgc taatgctttt ataagtcctt cctccttatt ttctagatta	600
actccttggt ctttctctaa acagaggatt atngcagaca ggccaaaaaa aagcctctag	660
aactatagtg agtccggttt ccgtanatcc agacatgata agatnctttg atgagtttgg	720
acaaaccnc actttgaatg ccgtggaaaa aatctttntt t	761

<210> 2353

<211> 732

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(732)

<223> n = A,T,C or G

<400> 2353

ttanncnntc gantcngccg aggtcttttn nactnngtacc agcnmagnat nttttttttt	60
ntganatnat ttttgaatgc ttttgtgtgg aaccacatgc ntcataatag atncaaatcc	120
atgaaagtat aacagttaaa tactagatct tactttttca ggtttttgatt tctcatctaa	180
actttccaat gctttatcag tgaagcaaac taactcacat tgactagcct gctctccttt	240
agcaaaccct tcaataaat gcctcatttg ctcctcacca ctatcatttt agattggcca	300
gacagttggt acttaccttt taagaatgag gagacaggta gccgggtgcg gtgggtcaca	360
cctgtaatcc caacactttg ggaggctgag gcgggtggat cagcagggtca ggagatcaag	420
accatcctgg ctaacacggt gaaaccccgct ctgtactaaa aatacaaaaa attagtcagg	480
tgtgttggtg ggcacctgta gtcccagcta cttgggaggc tgaggcagga gaatggcatg	540
aacccgggag gcggagctgg cagtgaagctg agaccacacc actgcactcc acctgggtga	600
cagagtgaga ttccgtctca aaaaaaaaaa aaaaaaaaaa acntcggccc tttaaaaatt	660
tttggggggn ngttttcccg gnaaacccca acttntaaaa aaaacctttt gtggagnttg	720
ggcaaaaccn nt	732

<210> 2354

<211> 757

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(757)

<223> n = A,T,C or G

<400> 2354

gntatncgtt cagctcttgt tctttttgca ggatcccatc gattcgaatt cggcacgaga	60
aaaatatggg ctgggattac aggcgtgagc caccacaccc agcctttctt ttagtgcttt	120
aaatatattg gccctctgcc ttctggcctc caagtttctg gatgaaaaat ctgcttgta	180
ttttattgag gatcccttgt atgtgacaag tttcttccct ctgctactt tcaggattct	240
aactttgcat ttcaaaagtt agactataat gtgtctcagt gtgggtctct ttgagttcat	300
tttacttgga gttacttgag ctgcttgat gtttatatgc atgtctttca tcaaatgttg	360
gaagtgttca gccattattc ttcaaacata gtcataagct gcataatgac attttggtca	420
tcaatgaact gcataatga tgggtggcctc aaagattata atactgtatt tttactgnac	480
tttttatggt tatatgtact tagatcacia atacttacca ttgtgttata attgcctaag	540
tattaaatac agtaacatgc tgtacatatt tgtagccttg gagcaataag ttatatacca	600
tatagtttag gtatacagta gctataccat gtaggcttg tataagtact ctctacgatg	660
ttcacacaat gttgaaatca catganggat gtattctcan aacataattt tgggtggtaa	720
ngggatgcat gactgnattc tctctgcccc tttctnt	757

<210> 2355
 <211> 828
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (828)
 <223> n = A,T,C or G

<400> 2355
 tattatnctg tcaactactt gttctttttg cangatccct cgattcnaat tcggcacgan 60
 ggnacnann tttntacact tngaaccoca cttttntccc tttgcccntt tgcngtgten 120
 ctttttgccg gaacccccct ttgttgcccg tttgaaaggc cgttnttggt gttganacgc 180
 cgggtgcccc nccccaaaaa aggagggtnt ttaaattgna ntctntntt tntgaggnt 240
 ccaaggcntt tggncggaaa gtggttggtt gccttttgtn attgaggacn tcntggcntc 300
 caaggggagc ggcctggcac cntctgcctg tgaactggag gcaacntggg gggccggggc 360
 accagtccac antggcaatg ggtggctcctg gcccggtgc aatggctgct caccgaagtt 420
 ggcctacttn tcgcttaagc gccttgccct tgataanggg gattgtgctc tttgggggat 480
 gaaganggca acgttggttg cttttacgac gtcagccaac atnctgaagc agcccacccc 540
 ttgcttgccc ggcagccctt gcaggccccc acacagatcc tgaagtggcc ccaacccttg 600
 ggccttggtg caagtggatg accaaaaacc atngtngaac acaagtnggt nggncaatgc 660
 cttcctttaa ncttaacctt aaccggccct tgacnggaac ttccnaacat tcgtnaacc 720
 atttttggg ggaagggtt ttaaccctt taaanaccâ ntttggnaaa aagggnacca 780
 agggggaccc ccaagcttta actttaacnt ttantttcaa nccntttt 828

<210> 2356
 <211> 1197
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (1197)
 <223> n = A,T,C or G

<400> 2356
 cgtcncncan ctngtgnatn antnatntnn gtgantntnn tntnttnt tgnnacntnn 60
 tgttgnatgn ntgcgtgtn nntcatnag attttcnatt angtnnnng atctttgtgn 120
 nangtgatta nttnnnnnnn nntatngaa acccccgnt cgaantcggc acgnncantg 180
 ntctanttg tngnatgctg tctccnact gtnggtagn atgttgngtt ggggggnggg 240
 ntcccataca tcatannntt cntaaaattg ngangntntg atggagnggt ttttttntcn 300
 agcnntttta aagctnagtn gnttgtnct ctnntgcct gnnatagnng nnttnnnggn 360
 tgtgtccnnc ntnggttnna gntntntnt nttnnnntgn tannnnnnat gtanctagnt 420
 cataatttgt ntatnggaca ttncctact tataattaat ggtgnttnnn gtcnantcgg 480
 attntntatn tnttctatt ntcanttttn tannnatntc cnggacgna tccatntgta 540
 tattttcnen tatgnnnngn ccnnatggg gctttgtcac atngactntt gtactnnacc 600
 nattgcccc ataaannttt tttccnctat ngntttgaan ggngatanga caaaaaannt 660
 ggatctnctn tgtgcttnat ntntgannn ttntatntc gccgnatnt ntntnpannt 720
 annnnnttn aatntgcat anctntant nngatganta tngtgntatg nnttgntntn 780
 tattatctat tcnantntt tacagntctn natntnnntn tntacnntt tttntatcn 840
 tgtaatgtan gnatnagnt ngtctgtatn ntntntcna ttncnnntnn tccctntata 900
 tntatanant nactttancc nnnntntat ngntcgnntn tctntcatng tcttctatc 960
 nctntntanc nntatntnt tttgctntn atntntaan cnatntngc naannanaan 1020
 ttgntgnntn ctctgatnta tatgctntn agctatctn natatcgnat tatgataatg 1080
 tcnttactta nntanattcg ncntattatt nntnactgn tgantntnt agtgngattg 1140

acnttnttttt tctctntnnnt tancnttggt anntagtgnn nttntatcat ttnttng 1197

<210> 2357
 <211> 921
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(921)
 <223> n = A,T,C or G

<400> 2357
 aagnmaacnt tnaacgagca ggcctccacg gccanncage tgctcacact ggacaccacc 60
 tctatcctcc tgcgcctntg ccctgtnttt ntctgcccc gaacgcccgn ctgctggcnn 120
 ngaaggcgag ggcggnangc cgctgaatgg gactttncgg nttggaacca acccccaaaa 180
 aaagganggg nnttgnnaa aanaggaaaa ttcannattn tnntgnaggg cctcanaagg 240
 nntnatggna annggagnan atngnaaatg ganatagcaa ttntggnaaa atggagggac 300
 aatgngggang gncntccaaa gggggaaggc gggaccnngg gcncnaattc tgcctnttgg 360
 gaagnttggg aangnaaaaa nntnnggggg ggggggncgg ggggcnaaat ccaggttnaa 420
 aaaatnggan nagtggnatg gnttcctnng anactgggct tgngaaaang gtaangtcca 480
 atccnnangn gnggccttta tttattttgc ttaaaataac nctnatccng natntaaggg 540
 gtaatttggg natacngntn nggggaantn anncanggtg ganatnatnt ggnttaatta 600
 nataannaac ttanaaaaaa aattatanaa aanaangaaa tcccatatna tnanattaaa 660
 caaaataana nnnanacntt tgaactanta aacnataatg aantncctca actaaaatnt 720
 ngannaantt gaatttatga atcannantt caaatatana ttataattna ttaattntat 780
 atanannatt antannattt nantatannt nnntacntaa nttataatct cttnaattta 840
 nttannnana gaaaatanta anannncatn aaatnttnat taattttnaa tnnattnnct 900
 gntatantan ganctntatn c 921

<210> 2358
 <211> 870
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(870)
 <223> n = A,T,C or G

<400> 2358
 annctcttg actcctgtct ttgnggatcc ctggttcgaa ttngcacga gggantatcc 60
 tggtnaggg gccttttttn cnggncttgg gggccttggg atcccgggg ttncagnntn 120
 agggnccttn agtccttcan accngcaaa tattttgcgc nnangaagna nggtngntn 180
 gtanctaagt taaacttaga ancagaccct cattcagttt tantaatgta ttttngcaan 240
 ctactgtaaa tagcaaatca atgccantgt taaacaaaga ggaaacgttg tgtggncttg 300
 gttctctngc accggtatnt canggaacat ctgcttgcca tccccacagc tctttaaacc 360
 ctggctatta tggngtgccc tttcattent accatttcta atcatacctg gcagggaaaa 420
 aaacattggg attcagcctt aagactggag ggaaaaacct tctcccattt antggttggg 480
 taaggaaaat tantaggatg gtttttgagg aagaccacct ttttttggtt aaaaccnag 540
 aatatttga acctccagc caacctatnt ggggggttaa taatttttta aggttcaatt 600
 ggntcctnca attttaaatg cctaaaatat tcccttttat aattingcctt tnaataaatt 660
 ttcctctttt tttccttttt tttttttttt taagaccnng gggctctcgc ctcttggttg 720
 gccaggcct tgggaggggc aannggcncn cnanccttgg cttttctggc aancctttng 780
 cctnccagc ntcaagccga attcttntct gctttcaanc cttnccgagg tagctnngga 840
 ctacaggcgc catgccccnc natgccccan 870

<210> 2359
 <211> 722
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(722)
 <223> n = A,T,C or G

<400> 2359
 ntttgaccnc gtatggcgcc gagaatagcc naattncnta gannaagaan caaaaanggca 60
 atctgagtag aagaaataag gagaaaggag gagagggtgtg aaaaaaagtc ctttttctga 120
 gaacaagcat tcaaacagat aaaacacagg ttccataaag aaaagttaaa tgtcccacta 180
 ctatgagtca aaatgggtgca tttgcttttt cctgggtttt gattttattgc cctctgtttg 240
 taccacacat tcgcacacctt ggcacagact gtcatatgtc acacattcag cctcctacac 300
 ttccacccca caatctcttt accttccttc ttaatgttca cctcatttat ctttactcag 360
 ctaaagtcac agcactagac agtgttccca caaccgtctt caaactcatc tgtatttcat 420
 aatctctcct ctagtctaaa ccagcacagg tcagctgaaa ctctgaattc tacaataaaa 480
 tatttagagg aagctaactt catcagacac tcccctatgc tctcagttca aacgaaagtt 540
 tctgtttacat ttcacctacc tacagcctta cctcactcag ctacgattag actactcagc 600
 aatgagttcc aacattgcct tgctaaaaag caaggnggct cacaacaag acttcagcaa 660
 agatgcattn aaatgtgaag tctgcatttg gtcaaggcta ccttanatgg agtaatcatg 720
 gg 722

<210> 2360
 <211> 1335
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1335)
 <223> n = A,T,C or G

<400> 2360
 naggcnagcc cncnctatga gaccccagca ccatggacaa gggaaggaca cgcccathtt 60
 nncnggcnc acacgacaaa acgggggggn tnaaaanaac ngtncccacn tntctnnaaa 120
 ccccagcac ggnnngnnac cnaacgaaaa agnncnnaag gcantaancc nggcnggggc 180
 anaacggcnc gcaacncccc cccnactggc tnaaagngga ncaccctaaa ccnngngnaa 240
 acgancgggn gaaatcgggc canncaccaa acccaangng tgnnccgngn gnggncgtaa 300
 anngtanana anacannccg anaaacggng cnaacctaaa nngacangng cgnntggcnc 360
 accccaancn acccnagcaa cccacanaaa acggggcnan cgcngnnagg nagaccacnc 420
 tncnncntcg gaacacngng caggaccncn gcgcncgann ngcataggng gcacacacac 480
 tacnaaagg acncnangan nggagcatca nagattacgc tcgganaccn acncaccccg 540
 cggnatataa accggnanng aaaagcaagc gcgccacnag agnanggaca ctagataana 600
 cccntcgca naccnncnat cggaccnna cngnncacng nggagcacan gtganncccc 660
 taagangtga angaacnctg ggggngcaaa aanacacgc gacacncaat atnggggcta 720
 tctacgaaac ccancggata cagcagtnca anancnagcn ngaaacacac gnnnnggcnc 780
 tgggaaanac gcacaatcng caaggcacnn acccgaacnc nncgatatgc acnnncaacc 840
 nctctacctt anangcgcca aacgagacna nctannaaag nacaccgtga acaggggaaac 900
 aacatctgng gncantgaca cactnatcgc acacaannac gtncaaggca tangnagaat 960
 ncacgnagnn aanacgagna taacagnggg nnaatnngac gggatncaaa aaaannggcn 1020
 ncgagcagta catcaaggca canaacntga gcaantcncg caacacanaa ggacacgcgn 1080
 naagnanac caaatannta ncggggacnc ccncacgtaa nananagtcn cnagaacgaa 1140
 actntcattg ngagaccnaa ncagntcaca gnangantct tncgaccaac cnnntgnaaa 1200

cacgcaccgg ggaaaannaa nangccancn caaccaaanc aagcgggana cnaaaagngg 1260
 cgcncncccc ngatgnnacn ncannaaggg aagntcacag ncgggaangan ctntnnnanc 1320
 aactnnnagc cgcnc 1335

<210> 2361
 <211> 1082
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1082)
 <223> n = A,T,C or G

<400> 2361
 tnnnnnnnnnn nnnnnnnnatn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 60
 nnnnnnnnnnn tnnnnnnnnna nnnnnnnnnnn nnannntann tnnnnnnnnnt cnnnnnnnnan 120
 nnnnnnnnnnn nannnnantnn nnnnnnnnnnn nnnnnnnnnnn nnnngttttg aatcctttcn 180
 naaacaccnn cannnnnnnnn tananatnna nnnnancccn ccccaactgan gnnnaaccna 240
 tnanngnnnt gggactgggc tgantntaca gattgatgag gacattcaac taggatggct 300
 atgatatctg ggagaccata agtganggtc ttcgctcacc ccgagtagat atttngcatt 360
 acanttgacc ccatatacac caaggcaaaa aatggctcct gggcagcang ctatggggat 420
 ctggaacact gnaatccaat cagncattca agagggcagc actggaaaaan ttgcttacia 480
 gggaaattct tgggttncca gcgaacttgg ggaccccccc ttnaggcntt ntntaagcaa 540
 acccngggat aanatcgntn taatggggct ccaaatncaa ccnggnattg cccntttggg 600
 cctaacnctg ngcnnaaaaa ngngntnnnn tgggantttt aaatacaatg nanttcctcn 660
 nccccaannc atgnnnangg gcnannnnanc nngaccttac tcnngcgaagc cennnnnanc 720
 nnttcanana tgnanatnna nnnacantnn ctannnnnat ggcantntnt anagaanaaa 780
 gtatntannn cgttcttgcn acatcnnccg anattntttt atcnentntn tnaannacc 840
 cccaagaaaag ntnacccct tagggcttaa ntgggagggg ggttctgggg ggnccnttg 900
 ntttacaagn gggnaacccc atnaaaanng gaaggcccaa cngcaaanat tnangetctt 960
 gnnngcaaaaa ccaancctnn aantncctca naanacataa nnnnnngctg ccgggntnng 1020
 nttctntnna tcctcctntn ttttnnaann atcttctctt tcnattnnnn nnnctcaaat 1080
 cc 1082

<210> 2362
 <211> 1687
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1687)
 <223> n = A,T,C or G

<400> 2362
 taanncccca annacnann caantcnnnn ctgatntnecg aancnnangn nttttatctt 60
 acanttcaaa naangggggn acnnnacata anctngaent taannnecgaa ntegnccnga 120
 ggnacacanc nnnccgcgan acctnntatg cmtgggnatc aacttgacna aacatactnc 180
 tcactnccct ncnacactct ccatntncn cactatanc tctctnatct atactanatt 240
 tcatnccgc gntcagacat nttnnnnnt nctnannnc tctnaactca ataanacnc 300
 ctacnccctc actcatntca ttaagtngn taccnactat acactntnta ccttctncn 360
 aatacnacac ntcnacatatt attcngatnt ctacngctat ntecnntatc tcnmcaacna 420
 nactntcate ntcttannnc ntccatcta nntnnnnnn cgtnnccatn ngnnnactan 480
 nacaacgctc acantcatna ttnatnncat ttcgcatgac ancnantctc nctttnttc 540
 acgnacanca ncngtccanc tacnncnta cnaactaat attnnctcgc tcaacantc 600


```

ntaatnnatn nnttcanttn ntntatcntt nnatnatnnn ctaaaanagn attncttcnn 660
agctnntnctg cncgactntg ncaatccanc ntanatnacg ntnacnaten tctnnacaat 720
gntcntcttt atcncatnnc cncntnntnn caccntntc tegtcatact ntneccatan 780
aatgatatat cntccanaca atntacgtgt natcaactac ncnttgnaa natgcagtat 840
accntcgant aanatcnctc agtctcnacc tgacatntna ctntcacttn aattctcnac 900
ancntantnc antnaatnat acatcttact nactntnccg ctaacgctct acncgngaca 960
ttgtantcnc tatnatnatn tcnctactn actcngcata gacctcacnt gtanagantc 1020
tncananatg tcnnngctnng tcntntgtgt aaccaanact attgctnaaa ctatcatntc 1080
cncctctccac tcactctatc ncactatant cctnancan ancntttnac tctntntata 1140
tcataatnant acacncgcgc ancgctcgn ntctntntn ntntnctnanc cctntcntnc 1200
tnatctcttc tcanntatna catacgcga tcatagcttc ncactatnct ncatatnttn 1260
tacacgataa cgcattatct gcaactnnn cactantnan tnnctnncag tnactcnnct 1320
tgantcnnct acannnngac nnancatctc ntcccgann atnntctntg cntacnnnnn 1380
nattcannct tcnactntn ncactatnta cncctggac aactnnatac tacnncgca 1440
tagctnatn cactcnnct acnnatctca cntactccac tgnnnnttac naacattcnn 1500
ntcatgatat atganatgcc nntnctacgn atnnantann ncnctntnt ntcatactnc 1560
gnaaannacg cgtagcnatc ttactccang tcnattncct cccaacatnt ntaactnata 1620
tnantctnng nctcactacg nacncnatan cctcaatcnc cataaacnc ntatccanca 1680
tatccgn 1687

```

```

<210> 2363
<211> 780
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(780)
<223> n = A,T,C or G

```

```

<400> 2363
nnctaactctt gnaancccg cntttgcaga cccaanagga ccccggttac cgancncgca 60
tncgncenna agggagtttt ttnnaatcc actggcccg ngntccacag cggngggan 120
tggaagaaacg gtggcgctnc cggcctngac cgncggngg ggananganc nnacacacnn 180
nntngcggac actcgaang gnnnaaannn ggcnncttg gaaggaaggg aaaaganngn 240
atnnccaata ggangaactg gtcaangaga tatcanngga aaaaagganc gaaatctnac 300
ntcttncnca caacatang cnagnnatat ncagacgatt atagacctaa atgtgaaagc 360
aagacacatc gtnncagatg ataatatagg agatgnctca tgactntgca ttagtggaag 420
tgtnatnaac ctacacccag atgcctgtgc tgatactgac atgactataa tagagnngga 480
attngccagn ctgcactcaa tgctgtctca tccaaccatc tttaataagg catcaccatg 540
tgctaccct nttaaggagc aactagaacc actaagacca aaagagaatc ctactcctt 600
cccttntcnc gntcgctcaa cctcttttg ntcagggtatg nggnaacttg gaagcttaat 660
ntggaactac tgggatattc ggactnggga gccncaaga taccgaanc tggggatttg 720
gncttacntg gaaaacacag catggggaaa taaacaatta aaacctnaaa naaaaaccaa 780

```

```

<210> 2364
<211> 730
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(730)
<223> n = A,T,C or G

```

```

<400> 2364

```

```

ngttttgacn cctnannant cggcagcact taaagatgca taacanagtc aggggattca      60
ttctatatga tatccaatga gtatggcatt ggcataaggc tagacaaaca gggcaggaca      120
gagggagtga atgaacagac acacatatat ttggacactt gaatgtggat aaaagaggca      180
atgtaggaag gaagggaaaa gatagtcttt tcaatagaag gaactggatc aaagagatat      240
tcaatggaag aaaagaacga aattttacct cttcctcaca acataagtaa gttaattatt      300
acagacgaat tatagaccta aatgtgaaag gcaagacaac atcgtttcca gatgataata      360
taggagatgt cctcatgact ttgcattagt ggaaatgtta taaacctaca ccagatgcc      420
tgtgtcgata ctgacatgac tttaatagtg tgggaatttg ccagtcctgc actcaatgcc      480
tgtctcatcc aaccatcttt aataagtcac caccatgtgc ctacccttta aggagcaact      540
agaaccacta agaccaaag agaatcctca ctccctccct ccttcgctcg ctcaacctct      600
tttgttcagt atgtgtaact tgaagctaatt ttgtactact ggatatctga ctggagccac      660
agatacagaa tctgtattgg tcttactgaa acacagcatg gaattaacat taaacttaaa      720
taaaacaaac                                     730

```

<210> 2365

<211> 728

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(728)

<223> n = A,T,C or G

<400> 2365

```

ngttgaccnc nntcgattcg gcacgaggat agcccacctc atgttctctgt acctgaactc      60
tcaacagaca ctgtttataaa tgtgatcact aatatgacaa ccaccatcca gagtctcttt      120
ccaaatctcc aggtttttccc tgcgctgggt aatcatgact attggccaca ggatcaactg      180
cctgtagtca ccagtaaaagt gtacaatgca gtagcaaacc tctggaaacc atggctagat      240
gaagaageta ttagtacttt aaggaaagggt ggtttttatt cacagaaagt tacaactaat      300
ccaaacctta ggatcatcag tctaaacaca aacttgtact acggcccaaa tataatgaca      360
ctgaacaaga ctgacccagc caaccagttt gaatggctag aaagtacatt gaacaactct      420
cagcagaata aggagaagggt gtatatcata gcacatgttc cagtggggta tctgccatct      480
tcacagaaca tcacagcaat gagagaatac tataatgaga aattgataga tatttttcaa      540
aaatacagtg atgtcattgc aggacaattt tatggacaca ctacacagaga cagcattatg      600
gttcttttcag ataaaaaagg aagtccagta aattctttgt ttgtggctec tgcgtgtaca      660
ccagtgaaga gtgtttttaga aaaacagacc aacaatnctg gtatcagact ggttcagtat      720
gatcctcg                                     728

```

<210> 2366

<211> 728

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(728)

<223> n = A,T,C or G

<400> 2366

```

ctttgacccc tttcgantcg gcacgagggt aaagcggggc ctcacgatcc ttctgacctt      60
ttgggtttta agcaggagggt gtcagaaaag ttaccacagg ggccagaact tccaccttgt      120
ggtcaattgt ttcaagtgtg tgaccatact tgtcaagaaa gtcaagtctt accagataaac      180
tgaaaaacag ctccaagttc tactggccta tgctgaggag gacatttatg atacttcaag      240
acaagccact gccttttggtc ttctgaaggc aattttatca agaaagctgt tgggtccaga      300
aatcgatgag gtcatgcgga aagtatccaa gttggcagtc tctgcacaaa gcgaacctgc      360

```

```

cagggtccag tgtagacagg tttttctgaa atatattctt gactatcccc tgggtgacaa 420
attgagacca aacttggaat tcatgctcgc tcaactgaat tacgaacatg agaccgggag 480
agagtccacc ttggaaatga tcgcctatct ctttgacacg ttccctcagg ggctgctcca 540
tgagaactgc ggaatgttct ttatccctct ttgtctaata acgatcaatg atgactctgc 600
cacgtgcaaa aagatggcat ccatgacaat caagtcctta cttggtaaaa tcagcctcga 660
gaaaaaagat tggctgtttg atatgggtac cacttggttt tggagcaaaa aaaaccgctt 720
aaatagac 728

```

```

<210> 2367
<211> 1109
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(1109)
<223> n = A,T,C or G

```

```

<400> 2367
cngngcntga gnggnngnt atnngtannt aacnatgatn gttaganata nctnctgtgt 60
tcncnancctg nagtanctng acncnntnta tcngncntgt nnanagntng aangtagggg 120
anagtcnnnc cannganttt gaaccccgta tcgtaggggtg tacccecanac agccancata 180
tncnttcaaa tacanggaat atnngtgngn nttaaaaaat atnaaaccat cattgttntt 240
gtnacacaan gggagngngn tgnntacatn ngaaaanaaa annncttntg gaaaacnnag 300
gaaacnntng ngggnannan nagacttttt gcatgattag ttatttncnn agncntnngn 360
aaaannaggg aacttatntt aaacctngga ggtgtaggct gcgntgcnan tcanttttta 420
cncctacnag ngnagggngc nccaanntgg gggtgnaaan ttgttaaccc gggnnntggn 480
nntaataaac gagaagnnct gtanntttct ccnaganata ccnggggtgg naannncgat 540
anatgtgnac caatnggaag nctanttnna cttenctagc ccgtggctat ncttgngaa 600
ancganncn cttnatgaa ctatccccc aatgcnnctg ttnntctnga gnnatttggg 660
gataangagt ttnnaannn aaaattatn gcgggtntag ggggcttcgg gnaaagtggg 720
gagggcntga tcggttnagg gttggagang ggactaaaan gggggggcgg nannganaat 780
nanccttggg tnccttntg ancncctggg ggggaatggc aaaaaannng gtngagcnca 840
gaantggcgg ccttgggggn gggggncnag ncttggaatc ccantcntag tggccggggg 900
ttctgacca aaaaancntc ctgaanncgg nanggnntnc taccanattg gggggngata 960
aatanangcc cncngnggna nncccaantt ttngngggaa agggggatnn nttnaantct 1020
cttttggggg anccccaga aaagggnctt gngnaagga annncncct ananaactng 1080
ggagaaanat gttnccttanc gccctgnt 1109

```

```

<210> 2368
<211> 754
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(754)
<223> n = A,T,C or G

```

```

<400> 2368
attatncnnt cagctcttgt tctttttgca ggatcccatc gattcgaatt cggcacgagg 60
aagcacacct ttnncnnncn ccccnngagg gccgnggnan cntgaantnt ggcttttntn 120
ntgtaaagat tgantctntg antcggctac agtctcaaag gccantgctt ctgcagggca 180
ctgaaagcct gaaccgggcc acccaaagta ttgaacgttc tcatcgatt gccacagaga 240
ctgaccagat tggctcagaa atcatagaag agctggggga acaacgagac cagttagaac 300
gtaccaagag tagactggtg aacacaagtg aaaacttgag caaaagtcgg aagattctcc 360

```

```

gttcaatgtc cagaaaagtg acaaccaaca agctgctgct ttccattatc atcttactgg 420
agctcgcctc cctgggaggg ctggtttact acaaattctt tcgcagccat tgaacttcta 480
tagggaaggg tttgtggacc agaactttga ccttgtgaat gcatgatgtt agggatgtgg 540
atagaataag catattgctg ctgtgggctg acagtccaag gatgcactgt atagccaggc 600
ttgtgggang agggaggaaa gatgaaaaac ccttaaatgt gaaggaaacac ngcacaagac 660
cagtatgatt tccaaggtaa taaatgctgt ttatgacttc tttaaaaaaa aaannnnnnn 720
nnnnnnnnnn nnnnnnaaaa aaaaaaaact ccct 754

```

<210> 2369

<211> 733

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (733)

<223> n = A,T,C or G

<400> 2369

```

ntttaanccc cgntcgantc ggcacgagnt tgaggatctc gaccttgtcc ttccagcagg 60
tgctcccaag ccacctctgg gcctgagaat aggcatacaca tgactctgtt taatcctccg 120
acacagcaag gatgccggga agcaggggcaa agtgggtcaa gttatccggc agcgaaactg 180
ggtggtcgtg ggagggtctg acacacatta ccgctacatt ggcaagacca tggattaccg 240
gggaaccatg atccctagtg aagccccctt gctccaccgc caggtcaaac ttgtggatcc 300
tatggacagg aaaccactg agatcgagtg gagatttact gaagcaggag agcgggtacg 360
agtctccaca cgatcaggga gaattatccc taaaccgaa tttccagag ctgatggcat 420
cgtccctgaa acgtggattg atggccccc aaacacatca gtggaagatg ctttagaaag 480
aacctatgtg ccctgtctaa agacactgca ggaggagggtg atggaggcca tggggatcaa 540
ggagacccgg aaatacaaga aggtctattg gtattgagcc tggggcagag cagctccttc 600
ccaacttctg tcccaccttg aaggctgagg cacttctttt tcaagatgcc aattaaagag 660
cacttttatg agtcaaaaan nnnnnnnnnn nnnnnnnnnn ccgggccctt ttaaaaantt 720
aagggngggg ctt 733

```

<210> 2370

<211> 765

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (765)

<223> n = A,T,C or G

<400> 2370

```

gatngatcnt ttgcaactnc cgttcttttt gcaggatccc atcgattcga attcggcagc 60
aggtttgaaa tgaatgccat attaaatntt tncctttttc ctngnctat ggggggttaat 120
ttnaaanncn cngggcctna ncnggttttt taancttttg tagtaaatga ncntttgaaa 180
tccattttga taaacctgct gtaaatgttt tttccccctt tgtgaatgtt ttctaacttn 240
tcttggtaat tgcaatttaa ctaggtgcgg tggtactaa agttcgaagg cacgatatgc 300
gtgtccatcc ttaccaaagg attgtgaccg cagaccgagc cgccaccggc actaacctat 360
gaccttctga cctctgaact cttcacccaa tgatgacctg accatgcctg cctgctgac 420
aagttaactg gtaatcgctt ttgcttgctt gtcgtcagtg cagcgagctg aggcacttgt 480
cccgttcgtc ttaccatcta accaaacaaa agacaaagaa attgttgttc tccaactcag 540
cttttttttt ttttctgttt tgggtgaaag tgggtctaga aactgcactg aatagtagta 600
aagcaataag gcccaattca tcccacagca ctgatcatct ttaatatcc caccctaagc 660
gaacggtaag aaggcctctc ttaagaaggg gagacagatg ggccttaact actcaatgac 720

```

agangcaggt tactggggag aaaacttcta ggaatctttt tcttn

765

<210> 2371
 <211> 732
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(732)
 <223> n = A,T,C or G

<400> 2371
 ntttaaacct ngatcgantc ggcacgagta gaagaaacac acagaacaag cagcctgaca 60
 tgtaacagag caggaaagcc ccccatgtc cacctctacc tcattttgtc aagtcttcaa 120
 gagacctcca ggcccagtc ctgtgaattc attcctctgg gtttaggcac tcacctcccc 180
 gccaccccag agaggtagca tattaaatca ttaacagaat ctaatatataa ggggccctgt 240
 gattactggg aacaagttct cctgatttat atgcgattga accatattcc ctggagtagg 300
 tccttttagag ctataagccc ttgccatgat cagccccag catcttctct cttactctc 360
 tacaggggac ttaggaaaac attttctgag tcttacccaa ctttagcttc tgctattgct 420
 actttttgat gctgtgcaag cacctgttga ctcaagggtt ctcacccttc ttggagtcac 480
 agacccttat aagaatctga ctgaagccat ggatccttcc ttgataaaaa taaatacaca 540
 cttaacattt ttcgtacaat ttcaaggagt ttatagacac acttctaaac tcagtcattgg 600
 atacagggtg agcaatgtgt aatgagttgc agtcaaaaac tacacaaaat tggtaactttt 660
 ttaattttca naaagggggt cttgctctgt agtccacctg ggagtgacac ggggtgaatc 720
 ataactcacc gn 732

<210> 2372
 <211> 982
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(982)
 <223> n = A,T,C or G

<400> 2372
 nttatncttc anctcttgtc ttttgcagga tccctcgatt cgagagttag aaccctntg 60
 ctncaaaaaa ttgaaaaanc ctnttgggnn ttgggcccnn tntnnnttga accacttgtt 120
 gnaaaaaantg acntgggnagg ttggttngan ccagaaaggc canggttnga ggnagntgtg 180
 gtnccccnat tgcantttac cntgggtgac anancanaac cccttttcaa aaaaaaccgg 240
 ccggccgtgg ggggttnacnc ntgtcttcca ancatttttg aaggttgagg cgggttgatc 300
 acaagggtcag gaaatcgaaa ccttctgtgt aacatgatga aaaccccgtc ttctactaaa 360
 agtncaaaaa aaataacttg ggtgttggtg gccggccgcc ttgtagtncc cacttacttc 420
 aaggaaggct tgaaggccan ggaanaaatg gccggttgaa accnccnggg aaggccngga 480
 aaccttttgc caantngaag cccaaaagaa tccggtggcc ccactttggc acctttccca 540
 agccccttgg gggcccgnaa caaggaaacc caaaggnaac cccccattt ntttcaaaaa 600
 aancccaaaa nccaaaaaaa acnttgggtg gaattggaat taaaaaaaaa aagnccgnc 660
 ccatttaaaa aaccancntt aaanttattt ccaaaaaacc ccanttggcc ttaacnttcn 720
 ttggtccntt ttaaaaaant ttttttccaa aaaattaagc cntttttggc cancccttg 780
 gaaaaatttn ccaaaaaaat ttttaaagtt ttnggggaaa aaaaaccaag ntttttttna 840
 accttgggtg tttgcntcac caaagcctta anttnaactt ggtattnaag nttcttgncc 900
 ttgttgaaaa ggntnaaaaa aatnaaagtt cantttttgg gaaaaaaaaa aannnnnnnn 960
 nnnnnnnnnn nnnnnnnnt tt 982

<210> 2373
 <211> 1738
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1738)
 <223> n = A,T,C or G

<400> 2373
 aaacnncgna nncgngntgg cngggaanaa aacantgtng naaacnngan anacgtacgg 60
 annanatctc gcaaanantn ngagnnannn gnnnananga atnaatcana nnttgngtgn 120
 nntggactnn nngagcgacn tngangngat gtccnncgna tagtcncgcn gcgtggncag 180
 cnggannana gnaacatgng tnnccgcgcc ncccnncgc ncngtttta anaaacccct 240
 cggaaaaang ggcnnnccca gnnngaaana ngcggatata nagnacnngn gctgcannga 300
 cccgngngta cggngggatc ngctnagagt ggnnggnggn gagggngaaa nttttttct 360
 cnnanaccgt ccnaagnann annacnnnnn ncggggggnn tatngnnaca acantcannn 420
 anccannnnn ttttgcgcgc atngananga gnaacggacc nactnctnnc atcccnnaa 480
 ncngnntgna tnnnggggn agtngtanaa gagnganact ngangagaca gannngnacn 540
 gncnnantna agnntgngtg nncggcggn ngcgtgaggn canntnggn attcgctac 600
 acnaaanntn atagagngng atgntgnaga aantnnctnn nannngnng cgtataagan 660
 ngcggnga an tcnngnnnag cntgcnnctg cgnnacngac tgcggcgncg tncngntaca 720
 tcctatnanc tgnngnancn gcnnancang cnnngngnc gnnnncgntn tnttatangg 780
 ngantnggag gactngcgcn gactnancgn anctnnacgc agnggatcga cagancacan 840
 ngagcgagca cgcacangng acatagtgcn tcnngtaccg tagtntggac ancagatcac 900
 gagcncgtca cnnacncgtn canacatgag ctengngggc acgtgggnat cgtagangng 960
 canganagc ntacngngn gggagngnga nanatnnngn atgtncgana cnnagnanag 1020
 ttntcatgca catcgagtga ngaannngat aangnaangn cgtcgcntg tagaagtten 1080
 cacanggtnt ngcncgacnt angtcgagan gtacagaaga gnaacgntna tncngnngta 1140
 atngcgcnc agacgcgna atanagcaga cgctcgcgga tttntacang ggngaantgt 1200
 cangantcag angaagtgtc ggagatgcnc naanataagac atgcnaagta cgtagcggn 1260
 cgcacgggag gancnnantg ggatgncaga ntaagggaagt gananaacgc ctcgtacaca 1320
 cgncttaga nnaccgtnc ncantncana cttgantgtg agancgcnc gatgatannc 1380
 ncgcgggnan aacggagcng agtanganna ncgcgaatnn gntgcnga at anacgcagat 1440
 gatacagatn ncnacngna gagtnnanag acnggcgnac tcanatcgga gacnctgcnn 1500
 ancnnngaaca gtagcngc tncacaccac ngtcagngcn cgcannntgt ancgctgnag 1560
 tncgcgncat cgcnacgcga tacgagcgta acnnatgcag ctgcggcggtg tntatgagat 1620
 atntgnnngn gacannngna cngantnga ttcattggnga cgtacggaca ctggngggg 1680
 gacgannctg aagagtcnc ngtnaananc tangcgcncg cagggngcn caacgcgn 1738

<210> 2374
 <211> 735
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(735)
 <223> n = A,T,C or G

<400> 2374
 ntttnacccc tntcgaatcg gcctctctag atcttcccca ggccactcct tcacactcct 60
 tactagcagc cctgcttac ctccacacta cggcctggtg acctggtcca tgggtctcgc 120
 cctggtgctt gaagcctggc aagccccagg gctgtccttc gcagctgctt caggtgctct 180
 gtccaccca tcaggccttt cttttggcct ggctgtcaac gtgtttccct tccttgatta 240

aatggtgttc	aggcttcatg	tccttctctc	cgcagggagc	cttccctgat	ttcccacact	300
ctggcccctc	acctgggttt	gagctcatga	ggcaggtgag	gttggatggc	cctcatctct	360
ctgcacacag	ggcctcttct	aggggagact	gagccccagg	acaggggcag	gggctcctta	420
tttctgaggg	ccctgctagg	tcttctctcc	tctggcccca	gcagaacaca	gcccagccca	480
cttccacctt	tcttcacatg	taggtggggc	tggggcgtgc	ctgagtggtc	tggttggtgt	540
actccaggag	caggttctga	gtaaacacca	tctctctctc	tccactcgca	ctctgctgaa	600
tgtccacccc	aagcaagtgt	cttggtcagc	tgggagcttc	tgataggaga	ncagcttcag	660
ggagagtga	aaaggacacc	nttcaccctg	ancaagatgt	gggacattgg	tgtaacttc	720
cggctgcana	agggg					735

<210> 2375

<211> 1111

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1111)

<223> n = A,T,C or G

<400> 2375

cgganctgnc	cncannnccc	anaagccncc	ggcngggccc	nggcggggnc	gacctccana	60
ngggagcccc	cccttgngtt	nncnaccnn	caangncaga	anccnacggc	gnnttttttt	120
tatcancaan	aannacccaa	cccaccgggg	gggggnttan	ttaaaaaan	ccnaaanccc	180
nnntaacc	nancaccgc	cccnacancn	caanaaaaga	gacaccacac	cgnaanaacc	240
acaaaaggag	ancnnnacca	gacnccanaa	cnnaaaanac	acnccacaca	caaatagnaa	300
nancaccccg	ccccaaaaac	gncngaanaa	aacacnccna	cacagnnnaa	agcaccanaa	360
nancaacagn	acnanggnna	angccaccan	cntcaacnac	ccnnaccnaa	aaaaanacca	420
aacaanntnc	naaaatagnn	canacacccc	ancgaacnaa	accannnanc	ancgnccacg	480
anaaaccaan	naannannna	nacacaagnn	ncagcacgga	naccaccnan	gagcgtnnaa	540
naaggacaca	ananangncc	cgagaaacaa	canggggnac	naanantctg	antgngnnga	600
aaccngaaaa	ntaccccaan	naacngganc	cccgtaaaac	aaccaaacag	acnngcggcc	660
caaaaacnca	nggnaagagc	attacaacaa	caacaaacnc	agaccnnagn	ananacaaca	720
aannnacnan	tacacgaaac	tgacacccnn	aagnacaant	nacatacacc	ancgaaccnc	780
tcnagaaagc	actnatnacg	gacnanacnn	ganatcancc	nnnaangcac	tacacannaa	840
catgcagagc	nnnnaacaca	tancacaaca	nnngcnctca	caaaatanan	cacaacnaca	900
gccanccaan	gncanaacac	accgaancgg	agntngccca	taccangcaa	nnccacacan	960
aanacannga	gnacnnccnn	tacacganac	anaccccana	acnaancccg	ataaaaangc	1020
gtnnacaanc	caaaacacac	ntanacgcgn	acgagccgac	acacaaaagac	gacaannnnn	1080
accaagcgan	naccacngna	aaacgcgccc	g			1111

<210> 2376

<211> 771

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(771)

<223> n = A,T,C or G

<400> 2376

gacnactccg	ttacagnctc	ctggnnnntt	tgcaggagcc	catcgatncc	ctatagtgn	60
ccctctgaaa	tggaacctcan	nggaaaattn	gtttggngtt	ncattanngc	tnttncnccn	120
gntngacata	attacttcta	ccgatgtgaa	tgatacggat	gccggcagag	cttccagatc	180
tttcagactc	aactgctagg	tcaattagtt	tgtcataata	aaacttggca	gattctacaa	240

```

gtctattatg acaaaccagg aactaattct ataatggaaa actatccatt ctgaataata 300
gggtatgtaat tatttgctgc tgctgctgtg ctctgtaaaa ttcttgaata tgacatttaa 360
actctgtgcc tactaaaggt atcttctgga gtttttggga ggagagaaac tggaaaatta 420
aattgtattt ttgccagaag actcttactt gcatgtgtct caggggtctc agtttttcta 480
taagtttcca tatccaaagg ttcagaattc atgtgaaatc ttctttgggg caaaagtcct 540
tcattcctgg tatttattgg attgggaaat ctgtagcaaa gatgctgntt aaaaatacca 600
tattgggttt tttatcttat ccttagctct ctggctattg acttcctttt cttgnttgaa 660
gttagcttca aatttgctct atgctaaata cctgnaaaat attctgggat agggaactac 720
ttgaaatagt aattnggtaa aaagatatga ccaaaatgaa aatncttaan n 771

```

```

<210> 2377
<211> 730
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(730)
<223> n = A,T,C or G

```

```

<400> 2377
tttaancccc gntcngaca ttngnnancg cgtctgntnn aancactact acgcttgtgg 60
ttgcacacan gacgaaaagt ganaatgcat tngcatgaca cagcattcnt aggtccggca 120
ctttngttnc tnnccnnnnn tnnnnncagc tgtanngatn aatanatcnn ccttnngata 180
gccctggtgn cctctgncn ctgatntgat ncgntactgt gtcagtgtan gcaatcagan 240
cgcgntcac ctncacatac atgtttncnn aatcaaggtc tctacagctc atcctaataca 300
ncattaatna ngtaatnggc tatnnccaac ataagtntnt ctgcangan gaaagtnnca 360
tantnangan aatggnggtg gataagaaca gatataatga ataacngnca cagctgtann 420
actttnattn tgnnttattg cnaacacgcc ntaactatcc tgtgnganaa tgggaatntn 480
nantcccatc ttgcaattgc tatgttgcat gcagggttag gggcctgaaa gcatgcaaga 540
anngaatgcc atgtgatngg gnttatctcg gattcacaan aatactgtna tngcgagcca 600
natccncan tgggtganan ttctaattgc gactgtntgc nggcncanaa catgattgct 660
ttntaattct nacaanaggc tggccngtaa gtacattctt gnctagagtc ttntgcacac 720
ttctntacn 730

```

```

<210> 2378
<211> 727
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(727)
<223> n = A,T,C or G

```

```

<400> 2378
nttaaacnt gntcgaattc ggcacgaggc cttttgttgt gaagttgctc atcatttagg 60
agtgtttaat tctaaaaagc cttcagccta agaaagcttc atctgtgggg accagagact 120
tgttgctcag ggagtttagt atgggacttg ggcattctgat ctgcagggtga caagtttagt 180
tcaactgaag ttgtagggaa tttagacagt tgcacatcat tgccgttcta ggggccttgt 240
agaaagatga aacagttgtt tttcatttac cagcacctct cagttataga ggtaatggaa 300
cattcgctta cttttcatca tcattcttta aaaagggaac atacaaaaat ctaaaactatg 360
gcaataattt atttttataa tagtttacgg taggctttaa ttaaatggca aactcctctg 420
ggacccttaa gttatggcgt gattagccaa atttgatttc caacagtcac ttatggccat 480
aactattgca tagagtgcag gatgccagca aagatgaggg tgggggcaga tactggctca 540
gtgatttaac tcacattata gatgaccct tntcaacag aaatgctact gagagaacca 600

```


gaaaagcctg ggccaggcag gtcttatttg agaggagatt atttgataat tgcttttggtt 660
 agaangactt tacatttcct gatttcaagt ccaccaccaa tttagaaagt tcagagatga 720
 aaccctt 727

<210> 2379
 <211> 962
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(962)
 <223> n = A,T,C or G

<400> 2379
 atgnnnnnnn ngnnnnnnnn nnnnnnnnnn ngngngnnnn nngnnnnngg ggggnnnntng 60
 nnnnnnnnnn nnnngnnnnn ngggnnnnng ngngngnnnn nnnnnnnngc ctngggggnnn 120
 nnatanannn nnnnnnnnnn nnnnnnnngg ngntgnaaaa nccccctttt ncccaagaac 180
 ctcccccttg ggggggnnct atttttnta ttatttnggg ncacncccc nattnncngnn 240
 nnccccgccg anacnaannn gggatggnta tnnntngnng tgnnngaann nagagggaga 300
 tgtgcnnntc nnnntnttt ntnttttngg tnngntagnn nntngntnc nnnntngntc 360
 annnatnggt nnnanannng gggggggggg ggggggtttt tntcttttaa nannnnattg 420
 ntgctnnnt nttnntnaa ccncntcta cnnttcangc gggnatnggc nnantntcng 480
 atnggggttn gtatagaagt nggntgttt tnnnnngatn nncntattnn ggnntagnng 540
 gcagnngtta tgnngngtgt tntggngtgt ggacnttngt ncanntatnt tntttannnt 600
 ttctttnta tnnnatnat agngnnngtg tgnnttngna nntnatgagn gnnntanann 660
 ttngtgcctn ggggnatntn tntngnnagg nttnnnatnt nttnnntnt tgntnttttn 720
 ngatgtttgt nnnntngnn cnnntataa nngtgactng tatntgtnnn nttggttnct 780
 cncttncnna gggtnntnt ngagagtgt atanggnat ntannngagt tantngnngn 840
 ngtnntncta ngtaannacn gngnaannng ntngngnggg gnnnaaanaa gngggggggn 900
 ggggntatgn tannaaangn tgtntaacan ntttctatg ggggggggan ggagnnttna 960
 tn 962

<210> 2380
 <211> 909
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(909)
 <223> n = A,T,C or G

<400> 2380
 tntnnntcgc ntntctnnan tnannnataa ttatnttttt ttntntttac gnnntntngn 60
 ataaccgtcn tgnaactgta nttntgnttg tccannatca gganatannn cncnnnnnnn 120
 nnnngaaccc ttngantang ccacgtacn atanctngtc ttaannacaa atttatnant 180
 aatatgggtg cacaagaag gctttantgg cttcaagagg tatngnaccg ctgccgaggn 240
 ctttgagctt gangccaaga tcgcagttgt tgaaaagtat aacatcagga ttccagagct 300
 ggtgcaaagg atagaaaaat gccatataga agattnggac tttgcagagt acattctggg 360
 cactgtgcac aaagccaaag gcctggagtt tgacactgtg catgtttttg gatgatttgt 420
 gaaagtgcct tgtgcccggn ataacctgcc ccactccgc acttcanagt tgagtcatnt 480
 tctgaggatn aatggaattt actgtatgt gcagnaactc ngagccaaga agcgtcttat 540
 catgaccaa tnatgttgaa ancattttga nttnggcttg gggagtactt nttgcnaagca 600
 gagcttgact ancaccgtnt taaaaacagg cgtgggttgc gcntgctgng tgggacaatg 660
 caacaatgcc atccntgttg acaccgtcct ttaccattga agaantgcc cctctctntt 720

```

tagccancan ggaaagggaa aacaannggg ggggcttact ttatggntca nntnctngag      780
ccggggaangna agctgccatt ntngggcccc ctgggcgttn ccntnacana ntctttcncc      840
ngaancatg gtggccctcc cctagggtaa nnggccaaact ggtggggagt aaacatnttn      900
tntncttcg                                     909

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```

<210> 2381
<211> 756
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (756)
<223> n = A,T,C or G

```

```

<400> 2381
attatnecgt cncgcntgn tgcntntgca ngatcccatc gattcgcaga cagncnaacn      60
gaccttttgg gttnatggga ccggnnttgt attntngngn tancccatTT naagggggca      120
cntccaacgg nnatgcccac ccnacgggac ggccttaatt atgacgangt cccgnncntn      180
ancggntcgt gggaaccgga anacggcttt cntgcttcct gcagcaaagg cttggggagaa      240
gagggtgcttt atgataacgc aggcctgtac gataacttgc cgctccgca catctttgcc      300
cgctactctc ctgctgacag aaaggcctct aggctgtctg ctgacaagct gtcctctaac      360
cattacaaat accctgcctc cgctcagtct gtcactaata cctcttctgt ggggagggcg      420
tctctcgggc tcaactcgca ggtacggcat cttcttctgt aagattctag accaccttca      480
agtcacattg ctccaacaga gttttgcaac ttgtagtaaa tgggactcat caaaggcaaa      540
gcataatgtg ttttttttcc tcaactagaa tataatttgc agcctgacta ccaaggaact      600
gatgagatat ttctaacgag ctcatggttt atctgaacca ctgtgttctt tgcccacatc      660
tggctctctt tctgtcttgg gaaaattccc agtgaaaatt tgtgaattat gtcaactaaa      720
ggcagagaaan ttaaaaaaga aacnggtnat aaaann                                     756

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```

<210> 2382
<211> 726
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (726)
<223> n = A,T,C or G

```

```

<400> 2382
tgaaccncgn tcgantcggc acgacaggaa taatgctgac atacatacat atatatatat      60
atatgaagag agagagagag tcacacacag acagacagac acacggagtc tcgctgtgtc      120
gcccangctg gagtgcagtg gcgcaatctc agctcactgc aagccctgcc tcctgggttc      180
acactattct cctgcctcag cctcccaaga agctgggact gtaggcgccc gccaccatgc      240
ccggctaatt ctttgtatgt ttagtagaga cggggtttca ccgtgttaga caggatggtc      300
ttgatctcct gacctcatga tctgcctgcc tgggcctccc aaagtgcctg gattataggc      360
gtgagccacc acacctggcc ataagtctga tatttttagt cagggtcatg cagtcaacat      420
tacagatggt gtgaaggact acatgttcat ttgtccaaat tgtcccttta aaataaggag      480
attacaaaaca aatatttgaa gctctttgag gaggggcttt tcagatttaa agtgataaac      540
cttattagtc tctctttagg cagagaactg aagatacatg tatatctcaa acttgtagt      600
gaaattctct ttcagacttt aacattgaaa agntaatttc taattcttcc tcatatatnc      660
atgggcattg gtaatgatgt gccgaanatg tcctgtaact ttgagaaang gagaaaatta      720
tatgat                                     726

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```

<210> 2383

```

<211> 856
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(856)
 <223> n = A,T,C or G

<400> 2383
 tactatccgt tcagctcttg ttcttttgcg gatcccatcg ttcncttcgg cagcaggaga 60
 tgtgtcatcc tgggtgaatgt ccctttaact gcaaccagaa ggtaaaactt agatgtcctt 120
 gtaaaagaat aaaaaaggaa ttgcagtgc acaaagtacg tgaaaatcag gtttcaatag 180
 aatgtgacac aacgtgcaag gaaatgaagc ggaaagcatc tgagataaaa gaagcagaag 240
 ccaaagctgc tcttgaagaa gaaaaacgaa gacaacaggc tgaactagaa gcttttgaaa 300
 acagactgaa gggtcgtcgg aagaagaaca ggaaaagaga tgaagtggca ngttgagcta 360
 tcactatggc aaaaaacata aatattatct catttcagtg tgtggagttt gtggtttag 420
 tgtttgcctg gtacatcacc catgatgtca attaaaaaaa gttttgatct tttaatgtaa 480
 ctgagattgg atttagataa agttgtttaa ttgaaatat tagaaaatgt ntattataga 540
 acatgatata tatttacatt catctctgta ttccctcagc ctgttgttta gaanggacag 600
 gaatngttta aaacttttat ctttaattta gngtantacc taagaaaagg gggccaggta 660
 nttaattacc ttggttntaa aaaggtnгаа aagggccttg gaacttggaa aaaccttnaa 720
 aaattatttt ttccattnan ngggctttta aaccttanga ngggcccagg aagtttaacc 780
 gnggntnttt tgggntnecat ttgggggcct tcccttgggt tncnttaag nttnttttcc 840
 atttttaaat taatnc 856

<210> 2384
 <211> 733
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(733)
 <223> n = A,T,C or G

<400> 2384
 nctnaccctt ttncnngagg tctacaaccc attagggcag aatggaggca aatgaataat 60
 attcccttgg tctcagagac caacaactac agaattatca agcatggcca aaaattgttg 120
 ctcatcacct ctgcacccc acagtggaaa aagaaccggg tgactgtgta tgaatatgat 180
 attaggggag accaatggat taatataggt accacattag gcctcttgca gtttgattct 240
 aacttttttt gcctctctgc tegtgtttat ccttctctgc ttgaacctgg tcagagtttc 300
 ctactgaag aagaagaaat accaagtgaг tctagcactg aatgggactt aggtggattc 360
 agtgagccag actctgagtc aggaagttca agttctcttt ctgatgatga tttttgggtg 420
 cgtgtagcgc ctcaagtgaа tgcaaggat caacagggtt gtgtgtaact agattgaaac 480
 actaagttgt ttttactggt ttggaaaata tcttaaatat cctttttggt cctaaaggag 540
 aggaaaagtt gattaacttc tggtttggtt tagaaaaagt aatgtttgaa atacgaagg 600
 aatttaatgt tacaaatttt aacactcaaa tcaacctttt aataattttc tgtgctaagg 660
 gtccaggat ttttaatttg attatttaag tatggttatg gtttcatgga cacttaattt 720
 aggccttttg atn 733

<210> 2385
 <211> 759
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(759)
 <223> n = A,T,C or G

<400> 2385
 ganatncttt caactcttgt tctttttgca ggatcccatc gattcgaatt cggcacgagg 60
 ggtcaaaaga aaccacacgc ttagattggg aagagggcac cctatgaaat gaaatgggga 120
 tttcttgagt ctcttttttc cacttttaag gggccatggc aggacttaga gttgcgagtt 180
 aagactgcag agggctagag aattatttca tacaggcttt gaggccaccc atgtcactta 240
 tcccgataac cctctcacca tccccttggt tactctgatg cccccaagat gcaactgggc 300
 agctagtggg ccccataatt ctgggccttt gttgtttggt ttaattactt gggcatccca 360
 ggaagctttc cagtgatctc ctaccatggg ccccccctct gggatcaagc ccctcccagg 420
 ccctgtcccc agcccctcct gcccagccc acccgcttgc cttggtgctc agccctccca 480
 ttgggagcag gttggggcga gctggangcc cgggctggag gggcagtgtt gctgttcata 540
 gattttggtc cattgncgtt gctctgttga atttaatttc agtcttctct aatcttccct 600
 tctgtnaagt gtacattacc aagtcccttg nttttttata tatatatata aatatatata 660
 tatacaaaact gtctcttttt gcctttgaca ttcaggcaag aaganaaaat aaatcttttt 720
 aanaagacaa tccnaaaaaa taaaannata naaaanccct 759

<210> 2386
 <211> 1107
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1107)
 <223> n = A,T,C or G

<400> 2386
 gaagacnctn tcaactnctg gtgettttng nnagnccctc ngcccntntt ngncngangan 60
 atctnaggte tataagacgg ntnttttnnn tcnaatgcc aannntnaag ggggggnngn 120
 nntntaaga atnngtngga annnntngcn caaggaatgn ncnaanctnn nannccaana 180
 ntatggatna aggggtggac agggctttnc nanatgnatn ctggnaaaaa gcntntggnt 240
 gncncccaah ccttgacccg gttccggttn aaaggggaaa aacctaaaga aannngntta 300
 agntngtttc gcatncngtn attcnagcnn gagnttacag aagnttantn tttccacaaa 360
 aacnaancat gggccctaac anaatnaang ggnanccnnc gggcnctttt ttnggggtatc 420
 cttgggggtc ttttcnaacc caaaaaaggt nnancaatnn cnattcccc aantncaccc 480
 aattccgnnc ttnggnccnt ttcacccccc cnagnccccc nattgntcng gaaacccanc 540
 cctttctatt gaaacanatn gncnttnnnc cntccttttt aaaccncngn tgggggcctt 600
 ggccccggtt ccaaactttc ccttctnccn attgggntta ctgccttggc aantactcgg 660
 ggnaacatng gcaattggnc tttaaaatng ctccananaa nccttttaag tnggccttgg 720
 aacccaaagt ttnnttttnc aaaatatng aaaaccatgt atncccggcc ttngggtaaa 780
 aanaaatgtg gccaaaggata taaaattggg ttcccccaat gnggcnnggg ccccnctaa 840
 naattcctnt ccaaggannt nnttgnccct ggggnagaaa atttttttag ggggtanncc 900
 atacnancat ttagnggggg ccaggaanca aggnangggg ttccccantg gggngcaata 960
 tntctagtna aagcttaatg nttgggcacc ccccnaccca atggaagana antttngggg 1020
 aaangggata aaancnanna aagtcnnaa tttatnnngg gggcctaatt ntgcccangg 1080
 ggaanaaact anggggcaag anaaant 1107

<210> 2387
 <211> 724
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(724)
 <223> n = A,T,C or G

<400> 2387

ctttaaacct	tttnccgctt	tttctccgac	gaccaggagc	cctaccctgt	gactgatatt	60
tcggacctga	tccgggatc	ctatgagaaa	tttgagagacc	agtctgtgga	gcagatcgag	120
cacctacgtt	acaagcacag	gatcagggtc	ctccaaggcc	acgaggacac	cacaaagcag	180
aacgtgcttc	gagtcgttat	cccgggaagtc	tcaattcttc	ctgaagacct	agaggagctc	240
tacgacttat	tcaagagaga	acatatgatg	agctgttact	gggagcagcc	caggcccatg	300
gcctcacgcc	acgaccccag	ccggccctat	gctgagcagt	accgcataga	cgccccgcag	360
tttgcacacc	tgtttcagct	agtctcgccc	tggacctgcg	gggcccacac	ggagatcctc	420
gccgaaagga	cgttccaggct	cttgatgatg	aacatggacc	agctcatcga	gttcaaagcg	480
tttgtgagct	gcctcgatat	tatgtataat	ggagaaatga	atgagaagat	taaactatta	540
tacaggcttc	atatccctcc	acactcactg	aaaatgaccg	agacagccag	tcgcccgttga	600
ggaatnctct	gttgtcaaca	tcgagacccc	tggttttcgg	gaaaccaatg	gtgatgcagt	660
tgattatcag	aaacagctga	agcagatgat	taaggattag	ccccaaaaaa	aaaaaaaaaa	720
ctcn						724

<210> 2388
 <211> 966
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(966)
 <223> n = A,T,C or G

<400> 2388

nnnnnnnnnn	ncntnnnnnn	gtgnnnnnnn	nnnnnnnnnn	nnnnngnnnn	nnnnngnnnn	60
nnnnnnnnnn	nnnnngtaag	aatectttca	nctcccngtn	cttnntgcat	gaacccatcg	120
attcnaatnc	ggctccgagg	nnnnatntga	ntantacnca	cggcacattn	tttttcaggg	180
ggaangngaa	cgaacgcctg	ctggggagtg	ggctggacnt	gactgttnca	tgcaaaagnc	240
anaggtnaga	gcctggcgca	gnancatnga	ctcngnngga	tccantgnan	gcnnnnncnag	300
gggccannca	ggaagggncn	tcaagnctat	ttcctcatac	gcaccgggat	gacatggatg	360
atgntgacag	ggccccatan	ccnntggga	aagtgaagnc	ananaaaggn	cagggnagtg	420
gnantaggnt	ncaggggggtg	aggnnataaa	antaatanta	ctcncgtgtg	naaaactcct	480
aganggnaaa	tatngcintga	agaaatatca	cgaannatgg	gaggaatcnn	natcgtttat	540
atacncggtt	gnttgaaaag	ancnatnacc	nnctgatcca	cataaggnc	tnntnnacng	600
ggatntcctg	gaccggnatg	gcnetcancn	ngnaacagnt	tecnaaccng	ggnagggcan	660
gcnncccagg	gccttnaatn	cnangntgcc	gggaagccan	tcaacttgnc	gncaaaatna	720
ggaacttggg	cttgacctgg	nttgnccntc	cnnaccgcgn	tngantgact	tgatggggan	780
acatacaacn	ggncnttngc	catatggtca	ggtggcaccn	gggtnnnttt	tttaaccata	840
nncagaaccc	nagggaaacgt	tggngtanaa	ntccnccnata	gcccagtatt	tggntattct	900
ttaanggggc	ggaacctcag	ntnnaatttt	ttgggtccaa	aaancntgg	ttcccnaca	960
tannan						966

<210> 2389
 <211> 1130
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (1)...(1130)

<223> n = A,T,C or G

<400> 2389

tnggggngaa	angcnganga	annggnganan	nggggctnac	gannacgggg	nnatnnnnng	60
gnaannangc	cncgnaanan	gtaatncgng	ngncnccnc	atgnaangtn	angganncn	120
tagcgngan	ggnnccggca	natnnngaca	cacnngcnng	cgtttnnann	gtangnnacn	180
ncgnataaca	gcncnnncnt	gtcgtaggna	ccaancnnac	ncnnacnang	cttttgnaaa	240
cncntctcan	gcgccccccg	aacgcnaaat	aantnatgnc	gncccccccc	ngaggngncn	300
actgnggagg	gggggggggg	nacacntttt	taccaacann	nccaacccan	nnggggggcg	360
tnggaaanaac	ccantnnctn	ntttnaactnc	ncntganggt	ggccngngnt	ggacggntaa	420
ncaaacacnn	ngcgagagct	nnccgccaccg	agcnagnnc	nagaggaccg	nnncgntcga	480
gngngagana	agggngngca	nnctgccgn	ngcngngag	tctgngatgg	cgcnccnccn	540
nnagcggccg	caccggnann	gannggnnnn	nannannnna	gggaganaat	gngnaggngn	600
aannnnncng	aannagaann	annngtgncn	gaaganggan	ngnagnacng	acgccncgng	660
annganggnc	ggcngnntng	ggcgggagga	ngnnangtgt	cgangngngg	cngntnccnc	720
ngacacgcgg	ggtagttgt	gcgacacggn	ntncagcann	aannganacc	actcacanca	780
gattangctg	atngtanaac	nnccgcggcn	nnaganaacg	gcncangatn	cactngtnng	840
cgggggnnagc	tnnacgcgtc	anagcgnnnn	nnccgcggcg	cnagnngggc	gagnacangn	900
aagggancga	ccgagtcagt	cgnangncgt	naagcncgca	ncatcgagga	ctgncacaaa	960
cncgctcagg	aacnngnngt	ctctgggaca	gcaagctgcg	acntgtngcn	ganacagnngn	1020
acngcaanan	ggngaaaaann	nggcggcgca	cngaggcgnc	gcgnngtgcn	cgtacgancn	1080
tgggagacan	ccncgagatn	cgacnnncta	gagtggcagn	agagcacncg		1130

<210> 2390

<211> 901

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(901)

<223> n = A,T,C or G

<400> 2390

tctnncnccc	tccaanctcc	gtgctctttg	caggagccct	cgattcnct	agatgaaggg	60
ctganaattt	tanaaaaagc	gccttnanaa	gcctnnnnag	nattnctngg	aaattattgg	120
ngnccaaaagc	ccctagncng	nttnggggna	ggcaccnncc	catggntnta	accccggtcc	180
caaaaaccat	ngtanaaann	nttaggattc	naggtttgga	aaatcttttt	tncgnttant	240
tggtanttnn	cttcccaaaa	accccnctta	aaatagccct	cctttcacca	tggctatctt	300
tttttcaagg	ttttatatgc	antagctctc	tcagcacctt	ggaatnggna	aaaactggta	360
ccagcanttn	gggaggtggg	tttttctttt	aagaacattt	tgccagatct	ttatcttcaa	420
ggngggacta	aggaaccccc	agagccctaag	ttantcttgg	nganggcaat	ctctgcgaac	480
cgctgaacc	ttaccctaag	ttgggtttct	atggaaatat	gtagaataat	ccacctggca	540
agtaanccca	tttggttaag	aanggtacct	ataccggggt	tttttttggg	ggcctttgnt	600
nggttggttg	gtttgggggtc	tggagaaatg	gtactggccn	accccttctt	ttttattaaa	660
ganaaagaaa	cctggatttt	tggataccnt	tattttttaa	aaaatattga	ataggttcca	720
ggaagttaa	atngggatgg	tttaaaaaat	ttttaatttn	cttttggttt	nggggcaagt	780
tnggaaattta	aaatccggng	aaatccctat	taaattccgg	tncccttttt	gggggnaant	840
tnntnttanc	cccggnttta	ttaaataaat	acctggggcc	cccaancnn	ttttgncctt	900
n						901

<210> 2391

<211> 732

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(732)
 <223> n = A,T,C or G

<400> 2391
 ngttttgacg ncctnccgatt cggcaccgact tanaaaancga aaacctggcg ctgcaaaatg 60
 tgcaggctcg aatacggatg gtcctctcct atctgtntgc tcagttgagc ctntggntnt 120
 nggggtgtnc acngngggct cctngtgctg ggatccgcca acgtggatga gagtctcctg 180
 ggctacctga ccaagtacga ctgctccagt gcggacatca accccatagg cgggatcagc 240
 aagacggacc tcagggcctt cgtccagttc tgcattccagc gcttccagct tcctgccctg 300
 cagagcatcc tgttggcgcc ggccaccgca gagctggagc ccttggctga tggacagggtg 360
 tcccagaccg acgaggaaga tatggggatg acatatgcgg agctctcggc ctatgggaaa 420
 ctccaggaagg tggccaagat ggggccctac agcatgttct gcaaactcct cggcatgttg 480
 agacacatct gcaccccgag acaggtcgct gacaaagtga agcgggtttt ctccaagtac 540
 tccatgaaca gacacaagat gaccacgctc acaccgcgt accacgccga gaactacagc 600
 cctgaggaca acaggtttga tcttgcgacc atttctgtac aacacaagct ggcctttggc 660
 agnttcggtg catanaaaaa tcaggtgctt caacttcgag cctnttnaac tatagtgagg 720
 tcgtattacg tn 732

<210> 2392
 <211> 760
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(760)
 <223> n = A,T,C or G

<400> 2392
 nttgactcgn tcgnttccga ctangttent catncatgac aaanncntga atntgctncc 60
 agatggtagg acatgnacct ngaccttggg aanacncaa cnntngtntc tgntactgcc 120
 ctncacant naccnaata ttacnngcac tgcccagann gattgnggc cncnctgnet 180
 nnctnctgtg tgcaacccng naaagncngg gcctcgntnt ccatntcnta cctnnccactg 240
 cattaagnag atggnnnngt cccgccctga cctgagtcta ggcgngctct gctgctgnga 300
 tntgaacana nctcnaacct nnacagnnac tgnccggatn ctannagtgt ntaatnccca 360
 tgtggcantg ttgcactgtt gcnttccatg ngntncatgg ncaaagcata acctccatt 420
 aactantgaa accntntat tgggtgtang tcnngtnaat aatgatgggt actatggctt 480
 taaaactttt ttcacatgct ngcacctctg gatngntngg nanaccaaag cnnngtcttt 540
 aaccgcgcct cantttnaan anannngga gncnaangct tnnatttntn cntannccga 600
 aactnncanc tacannttnn ttggcaacna tnccatngca nnncccttna attngggngn 660
 aagngaaaan ggctnccctg gnnnnaagga actgggattt tttnaaccct ngaaacgnan 720
 anaaanngcg ggnggtnggc ncttcnctt tttcnccct 760

<210> 2393
 <211> 741
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(741)
 <223> n = A,T,C or G

<400> 2393

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tattcttcac tcttgtcttt tgccggtccc tcgttcgaaa caagcnacct ntntngtga      60
tnggaattgn naattnaaaa gngngntnnt ngggtttngg ccaccttaac caccaaantt      120
ngaantggtn gattgaggnc cgngnncnt gntgaaagg ncnntttgga angggttggg      180
gnggaaggga antntttccg ggtgggtntg aancgtgttg cttccaggt cantttttgc      240
ccntncancc ntnttgcag gatgatcaga aatcacggn cctcattggg aaggttaaga      300
ctggaccaa ctttttccaa gggtagcat attcacggt acctgggaag tctcttcttt      360
cccacctggg gctaatacag ttaccaattt ttcaaggggt aaaccaaact taccacttc      420
cagggatagg ggaagtggg ggtgggaata aagaagaacc attgataccc tgganggaag      480
gggaagaaac ccccaagcct ttttctact gaaaaataa gggtagacat tcagtcaaat      540
cttgatcaac tgggacttga gtttcagtt aaattcctac actaggagg agtttctatc      600
aaaatnctca gattgaagaa cttggttatt agaaccanct gtccttttca aactgttaaa      660
atagatctgn ctcccctang atgatcatgg cctggtgggg ccanaatccg ngtgtttgna      720
cctgtgcgat ttatgcataa a

```

<210> 2394

<211> 914

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (914)

<223> n = A, T, C or G

<400> 2394

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gntattcnnt cagctctngt tctttntgca ngatcccatc gattcncccg gctgaacacc      60
tcccancatg ccatgnacnn ncntcgntg gngagannn gaggggncct ggnntaangn      120
tnagttaaaa ganctctggg ngatgtance cttcctcgcc ttagggcctt aatncntnac      180
ttcntgtcnc ggttgcnctt ngaanccntt ttccntggaa ncatancaa gcaggctgcn      240
ttaggaatta tgcagatggg tgaagacacc ctcattgacc atgctcatac caaacctctc      300
cttccaagtc agcttgggtt ggtatagaag aaagttcagc tccctgacag aagggatnng      360
ttttggttta tcaagcagaa gaaaatgaaa gtccaccaa taacctggtg ggcantccga      420
gnatattact taccccaac caggaccatt ggccaaaagc cacccttcaa gaagaaaata      480
atggtttttt ttgggaagnc ttentttctt ggtccaagaa atttaattcn ttcnggggaa      540
acccttttgg ccttttcaaa ccaaccccc ttggcggncc anccnnaag ggaagccca      600
agttttgggg gggecttatt aattcgggc cntttcnag gccgggggcc ccancggttc      660
cgnaggcctt aaatggggcc attaaccaag ggggcttng gaagnaattt cattcaatnc      720
caagtccaag aaaaaagccc cctcactta ccctaaaaa gccagaagtg ggaagccttc      780
tttaattacc attgggaaaa agtccataga nggacatgac agaagangcc ttncaaaaca      840
catttcaggc attagcaatt cgtcgactag accaacccaa gaactntctg ctgagtgtgc      900
taaaactggg gana

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<210> 2395

<211> 728

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (728)

<223> n = A, T, C or G

<400> 2395

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ntttacaccc ttcnaattcg gcacgagaga tagtctctga atttagaact gggacgaaag      60
tgtacataat agggctatta taaaattttt agaattggat ttctaaactt ggggtcagtg      120
aatctagcag gcttaagcag tggtctcagg tttttctggc acagacaagg aatataagag      180

```


gaggagagaa	aaggagagac	agtagtggga	gggaatagaa	tgagagaaga	tagaaaatat	240
ggaattaata	gagaaaggat	acatgaagta	ttacaagatt	ttcttgaaa	aattggcatt	300
tcagtgatgg	atcaaagatg	tctaagagg	caaaatacta	ctattactta	aatatttaat	360
gttttaaaga	ttttaggata	aaaggatata	gatctgatgg	cgttcact	aattgctgta	420
gtgttgatgt	tgagagagg	ggtaatgtat	caagacagag	cagacagacc	ctttacaatg	480
agagcagaag	atatgttgtt	tactgattct	actttccac	aaaatgctaa	tgcttttata	540
agtcctcct	ccttattttc	tagattaact	ccttgtttct	tcctctaaac	agaggattat	600
ggcagacagg	caaaaaaaaa	acctntanaa	ctatagttag	tcgtattacg	tagatccaga	660
catgataaga	tacattgatg	agtttggaca	aaccacaccc	ttatnnnnnn	nnnnnnnnnn	720
nnnnnnnn						728

<210> 2396

<211> 1632

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1632)

<223> n = A,T,C or G

<400> 2396

acnncncgan	anaagnnaac	nngtannnan	anntgcgtaa	ntngacctnc	aanncancgn	60
gaangcacga	tagtanganc	tacannnaca	cgcnecgnacn	gcnnanannc	nnncgnccac	120
angacgcgat	cncaannaac	tnagntggna	gcancncncn	ananagactn	anactatacn	180
acnncannnn	nannactnng	gaaaancctn	ttgccaaaan	anccccnngn	cgcgganaaa	240
agatacngnc	nancnagaga	nnagtcncnt	anaacacggc	atnaacnnac	ancgtngngg	300
gagngntnng	acnntntntt	tatanagcng	cgnactcaca	cnaatnccnc	ncnnncgagg	360
gngggngngg	gcgttnaanc	anaangnaaa	tncnccngat	nnntnanctc	gancacaccn	420
acnctcagaa	nagcncnnta	tntaagngan	ntnnaacctt	ggnagcaaaa	nnnnntaacn	480
annaccncnc	nacatnntaa	gaatnnnaaa	aagncngcac	ancaanaanc	caanatacnn	540
antcggnnan	ngcngnnnat	aacnngncgn	aggtnnnaag	aanancannn	cnggagacat	600
cncaacaan	anaacncnca	nnganangat	nngangnnnc	nnnnngncnn	ncnantccga	660
nctntcnanc	acnnntantg	antntacncc	aggantgatc	acacgngngn	nnatgaagat	720
anactccann	cancacngct	ganaccnnnc	canagnacng	tataagctna	tcacncaacn	780
ntcgtntcgn	ggtnaacnna	tntntannnt	anngnngcgc	gtatnngagc	anacatntga	840
cacatannan	nanatcaaga	cggcatnac	catgaatnac	ngaggnttcn	cnannacaca	900
gangcaagac	ngacatncgt	ngcgatantt	cgcgngana	nttcnnaaan	aataatcgcg	960
acgcanaaan	atgagactac	ncnacaana	cacnttanaa	taancntgaa	tancanagna	1020
cctgcgntta	taaacagnna	ncnnnaanga	gatancgatc	aaanccccgn	angntccang	1080
ataactcacg	tncatgnntg	tcgaccnaaa	tgacaancat	nanacgagng	acncgaaaca	1140
gaantcagac	ggcgnnntan	tnaccccatn	tcgtcatntc	ctnctntnta	acgcnactnt	1200
tnagcnnnac	gtgncngcna	cagcnantan	aaccaccaac	atcnccatan	gtcgtcnaga	1260
caaaacgaaa	ccgnancnta	tancnngnng	cattccacga	anatacnana	cncatcatnc	1320
tcagtagcta	tgaancgcga	cgcncanata	gcaanaaanac	nctacataca	cgcgnagact	1380
agancgcaaa	nnacgcgact	nantagnana	tnanaaccac	gacntacaga	acaactatcg	1440
agcacgccta	cantgcatga	catgacanac	ncacnngnac	gagtanaaca	tanntgntna	1500
ngtentaacg	agcanacacg	acgaanacg	atnnaaacanc	gnacacaacn	antcantatc	1560
angntacgca	gcntnnncnc	ggcacntaag	ngcananacc	ganacacctn	anacgtcncg	1620
catcnnnncg	cg					1632

<210> 2397

<211> 957

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(957)
 <223> n = A,T,C or G

<400> 2397

tntaatnctt	tcanctcttg	gtctttttgc	angatcccat	cnattcgctg	cactgtgaac	60
ctgggcactc	cgcgcgatg	ccaccggcct	gtgggtctct	gaagggaccc	cccccaatnn	120
nactgccaaa	ttctccggtt	tgccccggga	tattatagaa	aattatttgt	atgaataatg	180
aaaataaaac	acacctcgtg	gcaaaanaaaa	aanaatntaa	ttaaantana	attaaatnan	240
aaattctcng	nncttttaaa	antntaantn	gantctnntt	tnctnatana	tcnnaaana	300
tcgntnanta	ttctttntt	tnaggnntt	ggaacaanat	ccccccattc	ttagtaattg	360
ctanctgtaa	aaaaatattn	cntttttttt	nntttgaant	tnntnngtga	cccccttcc	420
gtctcttatt	ttgntaancc	cnttttttta	ancntgtta	nttnacccaa	nnttataccn	480
gacnaccant	ttggcaattc	tttttctant	ngttaccnag	ngtctnctgg	tgtngtannn	540
tncttttaaa	attttttttt	aaatttctct	ncgggtctcc	nctgnntncc	natattncna	600
tctggggccc	tcgngetncc	ccnacntttt	tatttttccc	ntttttaann	natgggtttt	660
tattgtctcn	ctcttggnn	nctaancnnc	ttggancatt	ttccttgunt	tnctnttng	720
anaaaaattg	gannantact	gcttctccaa	nttcnaacat	taaanatnnt	cnaatctngt	780
ngatcnatta	atnntctnna	taacgctcnt	ggtnanngtc	cncanttctt	ctcntntcnt	840
taaccttcc	tttttattgn	atgatcggnn	cccnatctg	cncccnnta	ancnnttnt	900
nnganaaatc	ccntcaentc	tcccatatnt	ntttttngt	aatctntect	ccttctt	957

<210> 2398
 <211> 777
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(777)
 <223> n = A,T,C or G

<400> 2398

tattattcgt	tcaagctctt	gttctttttg	caggatccca	tcgattcggc	acaatgtcta	60
cccangggat	gtntgttctt	gacctgnccg	ccaccttcta	tgggtccntc	aagaacctng	120
gcaccaacca	atgcctggat	gtgggtgaga	acaaccgcgg	ngggaaagccn	ctcatcatgt	180
actcctgcc	cgcccttgcc	ggcaaccagt	actttgagta	cacaactcag	agggaccttc	240
gccacaacat	cgcaaagcag	ctgtgtctac	atgtcagcaa	gggtgctctg	ggccttggga	300
gctgtcactt	cactggcaag	aatagccagg	tccccagga	cgaggaaatg	gaattggccc	360
angatcagct	catcaggaac	tcaggatctg	gtacctgcct	gacatcccag	gacaaaaagc	420
cagccatggc	cccctgcaat	cccagtgaac	cccacagtt	gtggctcttt	gtctaggacc	480
cagatcatcc	ccagagagag	ccccacaag	ctcctcagga	aacaggattg	ctgatgtctg	540
ggaacctgat	caccagcttc	tctggaggcc	gtaaaagatg	gatttctnaa	cccactgggt	600
ggcaaggcag	gancttccca	atncttgcaa	caacattggg	gcccattttc	ttttcttcac	660
accgatggga	agaaaccatt	aggacatata	ttttagccta	ncgtttttnc	ttgttctang	720
aaatangagg	cttccaaagt	angggaaagg	cancctnggg	gganggggtc	aagggtc	777

<210> 2399
 <211> 901
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(901)

<223> n = A,T,C or G

<400> 2399

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ccccccnccc ctnatgncnn annannncnn nnnaacnaa cncannggcn tnnntnana      60
atntnatatg ganaancgcc ctaatancc nccgtacann naccnncnn acnnntgaaa      120
cccttcgaaa cncacgagaa aaaaanaggaa ttttgngcg ggttgaccga ggggtantgt      180
acanatnngg aaaaaaagct cacgggggtgg gcaggaagac aagcctatgg atcntgctcc      240
angcatcaag ctcantaca tgggatttcc tggncnctna aaaacaatca ggattgcnct      300
agacattcga aaggcnngca ntntcntctc ttntgtttta acctgnanac angctgataa      360
aagtcccca catctcagct tacatttggg ttcanagncg ntgncnacgg aggggtgagag      420
cagaaactct taagaaancc tttcttctcc ctaaggggan gaggggatga tctttngcgg      480
tgtntngatc aaacttntat tttncctaga gntgtggaat gacaacagcc catgccattg      540
atgtcgacca gagaaaaact attcaattct tgccantaga gacacatcca angctgccat      600
nccaaagggg tcaaaaagtt ttcaaataac ngtggaagc tnaccaaagg tgggggaaag      660
catgataagc ttgcagggtta tggtaggaga gggngagata taaagacata cnntactnta      720
ggatttttaa antatnaaaa gncaaaaaaa tccatnagaa aagtatccct tttttttttt      780
tgganaangg ggtncntcca cttaangtng gccagggcn ngggtcttgg nannctcccn      840
aaggccnna anggganacc nccccanc tnggggncnt ccacaaangn anntcggggg      900
t                                                                901

```

<210> 2400

<211> 699

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (699)

<223> n = A,T,C or G

<400> 2400

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ggcttnagan tgcaatgccg ggggtgcctt cccaaaagtt ctttctgcct ggggtggagcg      60
tagacagctc agcacccac ggggggcggg tggaccagcc ttggttttgt tgggtaagga      120
tggtanaaag aggggcgaag acccatagcc actggtgtga aggggtctgct cttgaccgaa      180
gctgcctccc tctgggtgca gaccagcagg tgggtccagn cacggtgccc tggggccact      240
gggtctgtct gccctcagcg tccactatac acacctgcng aggcagcana ctancancgg      300
tgtctgtgag gggcagntgc acagtcacct ntngagggtg ntccaaancg ttggnaaagc      360
ccatgcggtt ctgctttttg gggagcagag cctggagtcc tgnatttgtt ggggaggaag      420
ctatncatg cttgagcgcg ggcctggggg gctgacctgc atcccaagan caaatttgc      480
cctggccttt ctgggcctgn cctttcttgt aacaccacac ttgnacacct gggancanaa      540
gcgtgcccc cggcaggatc ccacantggc tggtnngaac actnngggca gcangtgact      600
naggtcnccc canaacttga ggaacacct tantccangg aggangctga agcttccang      660
gacacaanta aacaangtgg ggannnggan cctcacaat                                                                699

```

<210> 2401

<211> 1344

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1344)

<223> n = A,T,C or G

<400> 2401

```

antnaaatc nnntactcaa gcttgcatg cctggcaggg tccgactctt agggaggatc      60

```

```

ccccggggt taccggaac ttcggaattt ccgccccttan taagtggaag ntcngtantt 120
aacaaaaattt cnaacttggn ccgctcngtt ttttaacaaa acngttccgg tggaaacttg 180
ggggaaaaaaa aaccccntgg ggcggnnttaa cccccaaact ttaaatccgg ccnttggcaa 240
gccacaatn cccctttttt cggcccaagc ttgggcccgt aaataagccg aaaagaangg 300
ccccggcaan ccggaatcgg ccccttttcc caaacaagtt ggcgccaacc cttggaaatg 360
gggcggaat gggaaacgcg ccccttgtaa gcgggcgcaa tttaaagccg ccgggcccgg 420
ggtggtgggt ngggtttaac cgcgcgcaag ccggtggaac ccggttaca actttggncc 480
aagcgggncc ccttaaaccg gcccccggt ttcctttttt cggcnttttt tcnttttccc 540
cttttncnt tttttcttcc ggcaccaacg gttttccggg cccngggcnt ttttttnc 600
ccccggttcc naaaagggcc tttcttttaa aaaaattccg gggggggggg gccttttnc 660
ccttttttta aanggggggg ttttncctcg gnaaattttt ttnaaaggtn ggccntttt 720
tttnaaaccg ggggggnaaa cccctttttt ggggaaaanc cccccccna aaaaaaaa 780
aaaacctttt tggggaatt ttaaaanggg ggggtgggaa aattnggggg tttttcnaaa 840
ccggnntnaa aattnggggg ggggccccca aatttcnggg ncccccntt ggnaattaa 900
gggaaaaccn gggggttttt ttttttccg ggnccccnt ttttgggaa cccggttttt 960
gggggaaagg tcccccaacg ggggtttcct ttttttaaaa taaagggggg gggaaccntt 1020
nttttgggtt tncnaaaaaa acttgggna aacnaacaa cntttcaaaa nccccctaat 1080
tcttngggg gcctnaattt cnttttttgg aatttnaatn aaanggggga aatttttgg 1140
ccgaantttc ngggccctaa ttnnggntta aaaaaaatg gaagcctgga ntttnaacna 1200
aaaaaanttt aaacggcgna aatttttaac caaaaaataa ttaacggct ttaacnaaat 1260
tttcttggg aaggccggg antttttctt cnttaacgc caattttggg ggcnggggaa 1320
nttttnaaca acccggnat aatg 1344

```

<210> 2402

<211> 733

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (733)

<223> n = A,T,C or G

<400> 2402

```

ntctaaccct ttcgaatccc acgagaccac gtcataatac gcctacaaag agctcttgac 60
tgtgagctcg cagaggccca gttgcnttcc actgccattg acaaagaggg tcgtcggntc 120
gttaaagcgg gagcttatgc tgettgcag gaagcaagg angatttaa gagtcattca 180
gaaaatgtct ctcaacatcc acttcatgta gaagtattac actcagagat tatggctcat 240
cagaaatttg ctttgcgtct tggctcctga tgaacaaaat tatgagctat tcaagtgact 300
ttaggcagat cttttgccaa gcatgcctta gagaagaacc tgactcggag aatccctgtc 360
tcataagcag gttaatgctt tgggatgcaa agctttataa aggtgcccgt aagatccttc 420
atgaattgat cttcagcagt ttttttatgg agatggaata caaaaaactc tttgctatgg 480
aatttgtgaa gtattataaa caactgcaga aagaatatat cagtgatgat catgacagaa 540
gtatctctat aactgcactt tcagttcaga tgtttactgt tctactctg gctcgacatc 600
ttattgaaga gcagaatgtt atctctgtca ttactgaaac tctgctagaa gttttacctg 660
agtacttggg cnnngaacca ataaattcaa cttccanggt tatagcccag ggacaaattg 720
ggaagagtat atn 733

```

<210> 2403

<211> 769

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (769)

<223> n = A,T,C or G

<400> 2403

nnatccttca	actcttntct	ttttgcagga	tccctcgatt	cgaattcggc	cgagggttaa	60
aggnaaacnt	ccagggnntt	ttcggaaatt	tnattnggaa	agggatncgc	tttttgaggg	120
caaaatngcc	aatctgcttg	cctttataag	ccngtngatn	gtttaaatcc	ggtttaccce	180
gtttatagtt	nccctgggtg	ctgaaaggtn	tnctggatga	tncttancca	ncagagaacc	240
nttgaatgcc	gttcaaatg	gactgaanca	tcancaatgt	ctgaaaaagg	cctgacagta	300
atgtacatgt	caaatggccc	gtaatttaag	cagagtagag	taagtagaag	aataaacatg	360
gggaaagtgc	cagcaacaga	ggaggctttg	agcttttgct	cttcactctg	agtggatggt	420
gttctcaggt	ggtaaatagg	catcgagctt	tctccactgg	ctgctctctt	ggggaacaaa	480
taaccgaaaa	gatactcagc	accctgggtg	gtacataggt	ggtcagttga	tttatacttc	540
ctggntttca	gtgttgcttg	aattttctaa	atggaaacac	agtaccttta	taatcagaaa	600
acaatcccga	gttttgattt	gaggggtgtt	gtaaaaagtt	naaaaaaaaa	aaaaaaaaaa	660
aaaactcgag	cctttanaac	tatagttagt	cgtatttacc	ttagatccng	acatgataag	720
aaacattgga	tgaagttnng	ncaaaccccc	aactttgaat	gccagnnga		769

<210> 2404

<211> 736

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(736)

<223> n = A,T,C or G

<400> 2404

ttttaacnct	ttcgaatcgc	acgaggagtt	ctacaggtgg	agtgtggggc	ccagaaaggg	60
gctcaggtct	taggggtgtc	atctgaaaaa	acagagatgg	ttgatgggga	caccagttct	120
agggagccct	ctgcatggcc	actttctgcc	tcagctcttc	taaagcattt	cttctgttcc	180
cttccattgg	ggtaaccact	gatctgtctt	ccccaaaact	gagtcagaag	ttggactttg	240
ttacttggct	catctacatt	taagatatag	tcagaaaaaa	aatgcagtct	ttacatctta	300
agaaagctta	catgggccag	gcgcagtggt	tcacacctgt	aatcccagca	ctttgggagg	360
ccaaggtggg	cggatcacct	gaggtcagga	gttcgagacc	agcctcaaca	tggagaaacc	420
ccatctctac	caaaaatata	aaacttagcc	aggcatgggt	gcttgctcct	gtactcccag	480
ctacttgggg	ggctgaagtg	ggaggattgc	atgagcccag	aagtgggagg	ttgcagtgag	540
ctgagacgag	atcgaccac	tgactcttag	cctgggtgac	agtgagaact	tgtctcaaaa	600
aataaataaa	taaataaaat	ccattaaatt	gccnannnaa	aaaannnnnn	nnnnnnnnnn	660
nnnnnnnnnn	ntnnnnnnnn	nnnnnnnaaa	aaacccccnt	naaaaaanan	tnnggggnnn	720
nttntnnnnn	accccn					736

<210> 2405

<211> 802

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(802)

<223> n = A,T,C or G

<400> 2405

antctatctc	tttnaactcc	cgttcttttt	gcangatccc	atcgattcga	attcggcacc	60
gagcggttnn	gggttgngga	aaaggccttt	ttttncctng	gtgggtgggn	cccgtnnnng	120
gccttctttn	nngggncaac	ccagaaatgt	ntgttnaanc	cattangng	ttccanaann	180

```

ncnctaaaaan ggnataaaann cantcttcaa atcttaaggg acctttcctt nctncagatn 240
caaanncnag ancttgaggg ttnicagggaa ncgaggtatc agttnccttca gcttcgacct 300
gncagaganag catcatggat tggttatgct attgcttacc atttattaga agattatgaa 360
atggcgacca aagatttttag aagaatttag ggaaaccaca acaggacatc ccctgacaag 420
gtggattatg aatatagtgg aactactctt atatcagaat ccaagttctt cgggaagcag 480
gtctctatag agaagctttg gaacatcttt gtcttatgaa aagcagattt gtgataaact 540
tgctttaga agaaaccaa agggggaact tctggttgca ctatgtcgtt tggaaagatg 600
ctgccagatg tttatagagg gattgcaaga gagaaatcct gaaaactggg ccctattacc 660
aaaggcttg aaaaaagcca ctcaagccca gcttaatatg ttagaaacgg cttaaaaaat 720
tatganggan ccctggacta aatattccca ggggactggg tgcccaaaaa ggcttgcccg 780
ttnaaacttt tttatctggn gg 802

```

<210> 2406
 <211> 1160
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1160)
 <223> n = A,T,C or G

```

<400> 2406
gncgnngggn gngangngg gngnanngng nngnggggan nggnggngnn ngangnnnnng 60
annnaangan gagtcgnann nnnnnnnann gggaannngn nngnngntnn ananagnngg 120
atganggggn nangggaaan tggnganggg ggngnganan gaaggangan ananagnag 180
ggaaagcagn ggagngnnnn nngcnggcgn nnggaganng ngtanngann cncnngcg 240
cncnnnnccc angttngnng aaaccnccgt tatgcgga aa acncggccct nngntnatag 300
gnnngacccc ngggnncggn ccgcngggga gnanngnaaa nantaacggg gngggggggg 360
ggnagnaaaa ttttttttcn gatagnnnng agganccgng gnnntggggg gggagcgcn 420
nagnnnagga anccggggna ttntgnggnc nanngcgcn ngcncaggn gcgnnggcga 480
agaaaggnc ntcaggantg gcggaaggg cnatgncga nangngngng ngnnnnnnag 540
ngnnnaaggn nagggnnncg agnggggnag ggcgntcgg ggagngggg aagagggng 600
tggannagg gnatggnga ancgngggn gcaccgaaan ngnggagann gngngnnngn 660
gcannggggn cagagncgg ggngggtng agannggagn cngacagna cnnntnataa 720
nnngcngggn ggngaacgag gagngggnna agganagcng ggngggngga ncngcnntn 780
nacgngngn gatnatgcgc gcgnaacgg ggngnnngt gngagncgcg ngangtnngt 840
ntggatgcac gcgnganggg nntnnacga nnnannngg ntagggngan gagannngg 900
cgagctagan gggacgag gatggangan tgtgngngan nngngcaang cgnatangag 960
tgcgncgagg gggcnaanna tgtngtcgg acgagngnga cggacnggan ncacgagcgn 1020
gngaggagc gtngggnggg nacaactgg agacgcgcg gaaggggtng annangaagt 1080
aacgtngag acgaggggg tagannnaca gngagcgag nggngngang nncnggggna 1140
cgagngngg nganncgcg 1160

```

<210> 2407
 <211> 756
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(756)
 <223> n = A,T,C or G

```

<400> 2407
ntaacnchnn ttncngagc atgateccan gncctnttca cctctgctnt nncctgacgn 60

```

ngttgtatna	gtaacngcta	ttctaacagc	ctcngttcag	acangatgtc	caatgggtgnc	120
ntttttgctt	gnctggggn	gcctcatgac	tgntggcccg	nnggantnaa	ctgcctgtgt	180
actccaggac	tcatgacaat	nctgtaacta	gacctgccgc	aactcatggn	tcgtatgac	240
attctattgg	atctncaggg	gcangggagg	anganatccc	cattntgcta	cngctaagtn	300
gcaccnctg	nnnaaaagg	nannnnncgan	ctnganntgn	nncccatgnt	taaanactct	360
ntgcaaggcn	ngcccgttca	accatttctn	atnnntccna	cgnannnnngt	ncntnnncna	420
gactgattac	nacntgggtg	atntgggtag	ggcatgttcc	aacggggcct	ctctcatggn	480
taatggggca	tcggggaaan	cacagaatac	tttgcccttt	aatanngatg	atacanatca	540
ggatatccat	tactcacatg	tgtctggcat	gcantantca	cgnngctncn	antgtctnnc	600
tttctggann	tnttttgaat	tgtanaaatg	actttggccc	taaaattctt	ngctcagngg	660
ctnctagctg	tgtacacat	ttgaacacat	gtttnaaana	atatcccacc	cacnctnnct	720
tngttcagn	ctntggncag	gtatgaacct	nttcan			756

<210> 2408

<211> 808

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(808)

<223> n = A,T,C or G

<400> 2408

ncatctcttc	aactcttgtc	ttttgcanga	tccctcgttc	ccctccgcac	gagaattaat	60
taatggggcc	ngnttaattg	cntnnctecn	ncaaaaggaa	attattggng	cnaattnncc	120
ggccacccca	cagaccgggn	nangataana	ctgtgtaacc	ngngcttgtg	ncaaanant	180
anttttcaga	anctccaggg	aactcaattc	ancaggaaaa	ataattaatc	ccaccaaaaa	240
gtgggcaaat	gacatgaata	gacattttct	aaaagaagat	atgcaaattg	tcgagaaaca	300
tatgaaaaaa	tgttccacca	tccctattca	ttagagaaaa	tgcaaattaa	aaaccacagt	360
gagattatca	gcttattccg	tctagaatgg	ccattattag	aaagtcaaaa	tacaatagat	420
gtttgtgtgg	atgtggtaat	gcttatacac	tactgggtgg	aatgtaaatt	aatacaacct	480
ttatggaaaa	cagtatggga	gattccttaa	agaactaaaa	gtagatctac	cattcaatcc	540
agcaatccca	ctactgggta	tctatccaaa	ggaaaagaag	tcattatatg	aaaaaagaca	600
cgtgccacac	cttatcttta	ttgcaggacc	catttcacaa	ttttccaaag	atattggaac	660
cccaccttaa	atgccccatt	tgacccaatg	gaggtggaat	ataaggacca	accgntgggt	720
gtattntggg	atnatacccc	ncccatgtgt	natactacct	tcagcccctt	aaaaanggga	780
atggaagtta	atgttggttt	ttgcacct				808

<210> 2409

<211> 1425

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1425)

<223> n = A,T,C or G

<400> 2409

cnccgnaacn	anaatggcga	nagagctngt	aanccnnnng	canattcatc	tgcggnccgn	60
cnccancgna	anaangnnnc	acanngangt	gccaanccga	annaannann	nntngngaac	120
cntggnagaa	ccccacanga	actnnaaaag	cggccnnccc	agnncaancn	gncnggngng	180
gggggagagc	cgaanntnca	nggtcanana	gcagccgnta	ncngggcccg	agnccnatag	240
cagnccnagt	gggancgata	ttctannggg	cccnnncnaa	gctgggggcc	antnacnnnt	300
tgcgnggnag	ntnagcanag	gcccgtgggc	nagcncagnt	ggtcnanncg	gagcgnccna	360

```

ccnaagaatc ggngnagcaa acggnngcna ncgaggaacc aangggcngg cgnnaaannn 420
atntnaacaa gggtaatgaa aagaacaggg ntnanggang aaaannactn nggggnnggn 480
agcnnngccc tgaccannga angaaagtgg ggcngnnnnc cgnnannngg ncgnaaagcn 540
cccnancccc cntnctgnan nnnggacnng gctagccaan ntncnccctc cgcngcgnn 600
nctgcnaatc gcatgcgngg ngnggggtngc aacagcgaga ccnccatcac nccctatnnc 660
nncgncanc tntacgatcg ctacatccac ggtntatagc nnnctngtng cgcancgnac 720
gngggcncan ggngnnnact tgcnggntcn cgancngcng anggggggnc anaagacgnc 780
tgnnncgcn cncatatacat cncacaacac acgcnгааan atngngagtg ancgggaaa 840
acacacngtn tncncgnana cgggaanaca tncggactna cacacatcgc angactgang 900
gcggganngc acannagngc angagacaga angtgcntnn cncncganna ggcncannnt 960
nangaanagn tgacagnacc acacnnnnn ctgtcacanc cnatcgcgca cactatagcn 1020
cacgcgacat acgaancnca taacgtgnac acatcnccac cgnagagatc acacnccaga 1080
ctctagagaa cgnctcgnng nancnctcaa caggagnagc ancncgcggg gagaaganga 1140
gatncccnnc tncntccctg tnagcnnngc cnaantgtng ncacggngng ganccgcnag 1200
ancncganc nnacgcnnnn gngntncnan gncnngcna gcnacttaac gtcgcccanc 1260
cgnatntgc acanacnanc nntntntaan ngcgacgnc gannncang naagtcnngn 1320
anagcgctan gagcagcanc gacatgtngc cncgnaccgc cennntatan nacnncatc 1380
gcntcaacan ngagagaatg cgagctgcnn tctgtaant cnccg 1425

```

<210> 2410

<211> 1125

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1125)

<223> n = A,T,C or G

<400> 2410

```

cancncccc nnnnaannnn nnnnnngngc nnnnancgna nnnngnannc nccccancc 60
nncnngccnn cnnccangna acngnnnnnc canncnacga ngncennccn nccangang 120
ncnnnnngcn canncncnc ncnnnccgn caccgcgncn nacacnccnn ngacncannn 180
gngtntcacn aactcgccnn ncacnncagc acannacccc ccacntegcn ctccanaccc 240
gacgcaccac anctcngna ggcancnnt ttgtnttcgg gnaaccccct nncgcagcnn 300
ccngntngga cnnngcccana cncgcagaa cncacacaag cggcnaacttc agcngcnncn 360
gangnangac nggggcacag annnntgaa naagacaann anngatcnc ggtcangngg 420
cnagcnaggg cnagcccagc cagcgagcat aagegtnnan aanggcnagc actntcncag 480
ntnngaagcc ngcnagacct nggcnatata aaatagcacg nngacacggn caggagcaga 540
ggnggtgcga gnagganang acnaggancg gcaccaccaa tcagaaaanc agaccagcac 600
ancntnaact gagcnaggg tnatgnagcc aggcactata ctngagngg agcntngaaa 660
gacacncana aaaagacang angccnanaa ggctaaggnc agcggctnat agcccgtaaa 720
cnnccgacn tnnagagac cangggngga gcancnaagn gccagggagt gccgagcacc 780
agncangngc naactannng gggacaancc caaccatna cananaagac naaccacnag 840
cngaangng ggggggcncc acacnngca gncaggcca antctggan ggacnacagc 900
ggggnnnaan nnaccnggan ccccgggana gncanggcn gnnngnagac caatngatnc 960
gggccactgg nccacancg nccggcgcg accncnnncn naanagacgn cnnaccana 1020
nancnngcn ctncanccc ggcngncnc canatnnan gnnncaagan nccanacnc 1080
gcccaaagnc caccncgcn ccngnccnc gggcccnnnn cccct 1125

```

<210> 2411

<211> 763

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(763)
 <223> n = A,T,C or G

<400> 2411

```

anntcnnttt gttccanacc cgaattccgt tgctggtegg tttcttaaca tttctagtgt      60
tctgcaacca tccctgtctt acattacatt attaagtttag ttctattaca agactaatga      120
atgacagaat agagcaaaca tggacttttg agtcagacag acatgagtca gataagagtt      180
caaaccact gactgccgta aacttgggca agagatttaa ccctgtcagg gcctcagtgt      240
actcattagt aaaggtaata ataagtctgt aggaaataat acctacatac ttacatttga      300
catatattta atgctccagc ttaataaggt tggagtattc gataactgat aaaaaacctt      360
gcacagtatt gagcaggtaa cagacattca gtaaatggca gtaccattcc gatgatactt      420
tanatgcttg tgtgctatac tgttcaagaa ccagctggaa aagacctcag gttacctcca      480
gggtagggat aacatttacc ttagagtttt tgttttttgn ttttttgaga tggagtctcg      540
ctctatcacc catgctggag tgtgggtggc caatctcact gcaangtccg ctcccangtt      600
cactcccttn tcttgcctca gccctcccca gtagctgggg actaccnggc acccgccacc      660
annccccagc ntaatttttt gnatttctta agtagnagac cggngntttc attgnnntta      720
ncccgagatg gtctcgatct cctgacctcg tnaatccgcc ccc                        763

```

<210> 2412
 <211> 754
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(754)
 <223> n = A,T,C or G

<400> 2412

```

nnnnnnnttt acncgntcga ttccttgctg tcggccaagg gctccactcc agtcccttgc      60
ctgtcaatca gaagatgctc agaggagagc ttctgcatca tcttcatctt gacattccaa      120
gagcagtacc gggtcagcat ccacaaaagc aactgtataa actgggaact gtgtcttacc      180
cttctgagt gaaaagggaa agtttatgcc tcagcctgag gcaggtgggc cccttgccat      240
gcacaccttt gtcctgcagc cagggatcca ctggctggg ctcaaccctt ccccgtcagg      300
gacgactgca cagaaaggag cgcggatagc agcaaggccc gccacgggga aggcctgctt      360
ctgtgggtcc ccctgtgttg ctggcaggga gtggtacggc gctgggagtc cagaatcact      420
gaggacacgg aaagcttcag cttctttgag aaaactcaga ttttgtaa at ggcacccag      480
ttgacagcac ttacggtgga atccgtggag ttggacttgt gagaagcctt gccctgangg      540
ggttcttggc tgggtgtctgt cctggangtg gatgccttga tggcttgtgt ctcccgtgct      600
cccctcacc angtcctcat cctcaggact gtgagacgcc gtttggacct tggangagcc      660
tggangagctc ttggctctgt ggggtatggc tgctggcatt tgccantttg aaacctgaag      720
gattggaaaa tgtctgtata ccaanttoca aatn                                754

```

<210> 2413
 <211> 752
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(752)
 <223> n = A,T,C or G

<400> 2413

```

nnnnnnnttta ctcgntcgan tccgtgctgt cgccttgaat atgtaaaaat acctatcata      60

```

tcagtgtaat	actatcttaa	caatcctaaa	aaccaggaaa	gaaaagcaaa	atacagccaa	120
atcaatgtca	agaattcttg	ggaaggctgg	gtgcagtggc	tcctgcctgt	attctcagca	180
ttctgggatt	acacttgagt	ccaggagttt	gagaccagcg	tgggcaacat	ggcaaaacct	240
catctctaca	aaaggtacaa	gaaattagca	ggcatggcgg	cgctgcctg	tagttccagc	300
tatttgggag	gctgagttgg	gaggatcact	tgagcccagg	aggtgaaggc	tgagtgagt	360
caagattgca	ccactgtact	ccaccctagg	cgacagagca	agaacctgtc	ttcaaaaaaa	420
aaggaattct	tagaaatata	caccagatat	taccatacat	atgaaactca	tatatagagg	480
gttataaact	tttgcagatc	atctacctgc	aacattgttg	atcttactcc	atgaattctc	540
tattcacatt	gcatcatagt	acacacacct	gcaacccaaa	tataagtaat	tcctagacag	600
ctttgataca	tccccagaga	ttttatgtnc	aattcatcca	gctaaaaaaa	aaaaaaaaaa	660
aaattctctg	ggccgttttn	tacgnaaatc	ccnccntgat	aagaancctt	ggnnnanttt	720
ggacaanccc	nnnnntnnan	nnnnnnnnnn	nn			752

<210> 2414

<211> 1601

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1601)

<223> n = A,T,C or G

<400> 2414

cncnnnnnnn	nnanancnan	acacngcnac	ancnngcggn	cngcncaana	gangaacnnc	60
cgcnngcgng	gcccgnnnnn	cnnnncngac	agncgnncnn	gannacggnc	nnnnnnggnc	120
naccananc	nnncnccgac	ccccccngag	cnacnacnnc	ncannaaaaa	ggcttgagcc	180
ctntggaagc	caagncgnag	ggaggaaaaa	ntggngcccn	cgccnccagg	ggacagcaga	240
gncgagnang	gtgagacgng	gancgaaggc	ccaggggang	gcaaggagg	ngagacggcc	300
nggtcagaan	gaaannnang	ngcgaggnag	cantgnacnn	gnccnggagn	anggaagagg	360
gcccagccgn	gaagnagccn	cacangngcn	acagccctg	ganatgcgtg	ngnanaaaaa	420
acgganann	gaccnnactn	ggnaccnncg	actggcnngg	cacngccaaa	nnccgacng	480
gcaggaaacna	ccacnggggc	acanncaggc	cngagcnnaa	ggacatcnan	acgnangnaa	540
naccnngggg	acngngnaaa	gtaagacann	ggnnaaaaa	caancggggg	agggagagg	600
cgngcgcang	gngngcana	naagcaantt	tcnaccgatn	aaccgggggn	gcacaannag	660
gnggggaacc	ancggcngaa	anngaaaacg	atngnnccng	gggnaagnan	ggccnangca	720
acngggagaaa	cnaccacggg	catntgnanc	nnangaaaaa	cncngggcaa	nnccangnn	780
ngggcaaacg	nggggcacna	cgggcngnac	catgnannna	ggcctcngnn	ggggcgccaa	840
aanagaatcg	gncnnnggga	nacgcaaaga	ccgctcgccn	cagnggngng	aaanaacana	900
aaaggggcn	caccgggaca	aaaaatcana	cancnaaaag	ggggagnnac	antctcggag	960
acncgaacna	nnacnancna	ngntcaggaa	cntggggcca	nnananggc	aaacgnanga	1020
cccacacggg	gggganagnc	acnctnagg	gnntaaaaa	gacannacaa	nnccgggana	1080
ggnnacnnc	cgggccaann	nnntcgggg	gcccgaanga	gncaaaangc	ganntncaac	1140
acgcgaaagg	ggngnngcgc	ncnccnaaan	aggggggaaa	cnantcacan	nggnacaaa	1200
gcgcnganc	tcgnggcgcc	nangggaaa	gngcanngca	gnggagtag	gcaacacgng	1260
caaaaangaaa	aagngccgng	aaaggccgcg	ggnaaacaca	gaatncacga	naaaaggncn	1320
gaagcnnnna	ncnnnggnna	tncaaaanaa	naangngnnc	ncgcacnnc	caggannggg	1380
ccnngcccg	gagagaaa	nangccanca	cagagngggg	accttcnng	gggaaccnca	1440
ntggggngca	accnnnnaca	aancagacnn	gngacngaan	nnccngcacng	cnnaccnngg	1500
ngaaaccnt	caanannggc	caaaacnnan	anccnanggg	agggnnccnt	ananngggcc	1560
ccaaaaana	anngccnnnc	agaancnaan	ccccgngcn	n		1601

<210> 2415

<211> 746

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(746)
 <223> n = A,T,C or G

<400> 2415
 nnnnnnttna actcgttcga ttccgtgctg tcgggtgggat ggctccccct atgaaagtgtg 60
 tccagtgcag aggggtcaagg ttttaggtttg ggggtacggac atgagtgcag gaggccttact 120
 ctccgtgtgtg ttgtcaggga tggataaagg ggatgaagtt ggaggggttt agtgaatggt 180
 tgggacagca aatttcagag aagagcattt ggaaataatt ttctcaaata tatattttta 240
 aaatccatat ttgatttttt tccctcaggg attcccaagc atagtagagc taaaatgaat 300
 taatttgggt aaaagtaaag ttaaggctaa gttaggaaac acttttataa acaggaacct 360
 gctgcgtgcg gtggctcctg ccttgtagtc ccagcacttt gggaggcaga ggcgggtgga 420
 tcgcctggga tcaggagtgc gagaccagcc tggccaacat tgtgaaacct catctctacc 480
 aaaaatatga aaatttagctg ggtgtggtgg cgcagtgcctg tggccccagc tactcgggag 540
 gctgaggcag aagaatcgct tgaaccagct aggcagaggt tgcagtgcag caatatgtcg 600
 ccattgcact ccagcctggg caacagagca agatactgtc ttccaaaaaa aaaaannnnn 660
 cnnnnnnntnn nnnnnnnnnn nnnnaaaaaa aaantnttnc nggggccttt tttcnnnnnn 720
 cccccnnntt naaaaacctt ttngnn 746

<210> 2416
 <211> 743
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(743)
 <223> n = A,T,C or G

<400> 2416
 nttttactcg ttcgattccg tgctgtcggg gcagtggcac atacttgtag tccaagcttc 60
 agaaaggctc aagtgggagg atcgcttaca cccaggagat tgaggctgca atgagctgtg 120
 atagtgcac tgcactcagc ctgaatgaca gaggacacc ctgtctcaa aaaaaagtca 180
 gtttctcact tggactaact actttttaac tgtaatagc tgggtggctgc catactggac 240
 agcccaagac tagaggctca atgggctgtt ctccactctc tgtccaaggg aaccttcctt 300
 tatgtgcttt ttgctttcaa gatggggtct tgcactccag ccggggcgac agagcaagac 360
 tccatctcaa aaaaaaaaaa taattaaata ggccgntgt ggnggcncaa cgtttatant 420
 ccagcactt tgggaggcca aggtgggagg atcacagggt cagganactg agaccatcnt 480
 ggccaatgtg aaaacccggt ttactaaaaa ttccaaanca anttaccag gcntgggtgt 540
 gcncnctaa agtcccagnt aatcaggagg ttgaggcagg aaaatcgntt ganccaagga 600
 ggcaaaggct gntgcantga nccaanatca tgccantgaa ntcaaccctg ggtgacaaaa 660
 tganactntg nntcaaaaaa aaggataanc ttaaaaaaaa aaannnaaaa aaaaaatntt 720
 nggggccttt tttccnnaaa acc 743

<210> 2417
 <211> 833
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(833)
 <223> n = A,T,C or G

<400> 2417

```

tgctgtcgtc ttggagcttt catttactaa tgaggaacaa atgatagta tgttatgaca      60
atgtgttata aattaacaat cctcttttaa actagattta taaaacctac acacttgagg      120
gtttccattt gttctatcta gatgtatttt gagaaatctg aaacaaaagc ttgntntttt      180
gnttgntgt ttgtgtttg aaacagtctn gctctgtcac ccagcctgga gtgcagtggg      240
gcgatcttgg ctactgttaa actcggcctc ccagattcaa gcgattctcc tgcctcagcc      300
tcctgataag ctgggattgc aggcgcgcac caccacgccc aacataatga aacctccgtc      360
ttctactaaa aatacanaaa aaattanctt gggcatggtg gcaggccgcc tgtaancccn      420
gctactcnng aggcagaggt tgcantgagc ccnanagtct gccattgcac tccagccctg      480
ggccgacagc gggagactcc cgtctcaaac aaanatnann ngactaannn antaaatttc      540
cccnggnnan tcntaaaacc ctncatnngn nttntnnncn ncnaantttt ntcncnctn      600
annntngntt naanccttnn ccnnttttn acgaacnctg ctancncaan tatgnntccn      660
tcttcccna naaacaatnn tggccaattc ccccatgnnc ctattnccac ncccttntaa      720
atanctcccc tnaaantng aactcnantt ccnnnannnc ntttncnctc cgnnaanctn      780
ttcttttcta aaanaattnn cngnctctgn tcttnnccnn ccantcncan cct          833

```

<210> 2418

<211> 735

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(735)

<223> n = A,T,C or G

<400> 2418

```

nnnnnnnttt nctcgntcga ttccgtgctg tcgatttttc attatgtcta cggaggagtg      60
tctctgttat atcagtagga aatcaagggy gctttttcag agactgngtt ggttcctttc      120
aaatatttga aacactgaca gaaggagaca ttttagattt cctcaaagtt tacactgccc      180
agttttgggg ggaggcatgc ctagtttctt tgaaactggc tatgttttcc ttaataacctg      240
atttgctttt ctctgtaatc cttaaaataa aatttggtta aagtgttctt cattatggaa      300
acaatatata tgtggtaaac agtatagaat ggcatacctc attcatactt ctcttccca      360
gaattaagca ctttattctt tttctgatgt gatagtttct tctctttagc aatatatttt      420
cttctgtttc ttgctatcac tttatataatg taattctatt tcttgttatt acgctaatat      480
atataactac ctggcattat gaatttgact cacttaacga gaaatgttct aggtgtttac      540
atgggtccaga attagtttgt gttagggatc caggactgtg agtactaaaa acttgatttg      600
tgtgtaggct acaaatgaaa aagttaacaa tgacttttta agagaaaaca aatgtagaaa      660
aaacaaaaac acagtctggc tgggcctccc aaagtgtctg ggttacaggt gtgagccatg      720
gtgcctggcc aaann                                     735

```

<210> 2419

<211> 769

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(769)

<223> n = A,T,C or G

<400> 2419

```

ncnccccnnnt tttgaacccc ttctgattcc ttgctgtcgc tcagggcaca gcaggcagtg      60
tgttagcctt ggtctccctt gccctccaag tcccacaggg caatactggc aggccagga      120
aagtgttaca cactgcaggt ttgcatgacg gctaagggaac cacaatctta gggagatact      180
atctctgtct tctaaggcca tttgtgttac aaaaatcctt gaaatacctg ggcacagtgg      240
cacacctata atcctagcac tttgggaggc tgaggcaggg ggatcacctg aggttgggag      300

```

ttccagacca	gcctgaccaa	catggagaaa	tcccgctctct	actaaaaata	caaaaattag	360
ccaagcgtgg	tggcgcgagc	ctgtaatcca	gctactcggg	aggctgaggc	aggagaatcg	420
cttgaaccca	ggaggcggag	gttggtggtga	gccaaagatca	cgccggttgca	ctncagcctg	480
ggcaacaaga	gtgaaactcc	atctcaagaa	aaaaaaaaatc	cttgaaatag	tctggaacaa	540
aatctgtcaa	catctcagcc	cacaaaagta	tcaacaaaat	tgatatttng	ctgcatttaa	600
aaaattttta	atggtggtca	aagcgtncaa	aattntgaca	atttnagaca	cccccatga	660
gacacnga	at	atntntccc	aataaaaaatt	ggtctnttaa	aaaacctggn	720
tatnggaaag	ggnnnaaaaa	ntnnnaataa	aacntgtgg	ngtcnaatt		760

<210> 2420

<211> 1145

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1145)

<223> n = A,T,C or G

<400> 2420

gctgtcgac	aactggncag	tggcagggct	agggatttga	aagcagttct	tttccatttt	60
ggttgttgg	gactcaaagt	cattctgaac	tttcagaatt	cagggtggtg	atgggggtggg	120
gtgggggtgt	cagtatgcgt	agctcaggcc	actagactgg	tctgcgtgtc	aggatggcct	180
tgtccgttgc	tgatgctta	gcacatgggg	acacgtggca	gctgcttagt	gaagagntgt	240
agggnggatg	gatgagtga	tggtagatg	ggtggatgga	taggtggata	gmnatcggc	300
cccccttcn	cttcngncn	aantctntt	tactattct	tctnncatgt	ccctntcnan	360
nnctntntct	tcctctcnac	acnntttan	tntctccnc	ncntccatnc	ctctctttnn	420
ttncctncc	ctctnancn	tacccttcaa	tnccaccctc	cttctancn	cttctcccn	480
ctctctctcc	tnatctctc	cttctatct	ccatctcana	cntctnttc	tatctctnnc	540
nnctennn	cctcctctcc	ntctntctac	ccttctccn	acnctctct	ctctctacta	600
cncnttctct	ctatctatnc	ttacctcanc	ntaccatate	tnatcacnn	ctatcncnt	660
nntctntct	ctctnnaccc	tcnntcagcc	ttctctntan	tctcncctat	ctcctttcat	720
acctctcaat	cnncttntcc	actcctcnc	ctctcatncn	ccntnnann	acctncatct	780
ctcancatt	atnnctnnta	cctnctcnc	acctctntct	acantctnat	cactcttcta	840
cnnnctcct	cncctncctc	nntctnctac	tctnctctct	cncctcnc	tctctatnat	900
cncctctatn	tctctenact	ctnttatanc	ngcatcctct	tctctccctc	tcnacaactc	960
atctctntc	ctctctctca	cacactctct	cncctctnat	ctnctcgnat	atcncacctn	1020
cncactctan	ncttctcnac	taactctntc	aaacnntct	ccactnctac	tatcactcnc	1080
tcataaattt	ntcctctct	cccacacatc	atatccanc	antctcnant	cncctcatcc	1140
tctct						1145

<210> 2421

<211> 1500

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1500)

<223> n = A,T,C or G

<400> 2421

cncngcan	nacancnca	cgcnnnnan	ncncgaggac	acgnnacn	nnncacnanc	60
acngnnccnc	nngcacnnan	ccnncnngc	gnacnnncna	ncnnncan	nanncgagn	120
canagcnn	nncangcncg	ncncacann	cncacngaag	canagagnan	anaccagcg	180
cncnnnnan	acccgcangn	acccggagng	cgngctnngg	gaacctctt	tacgnaagac	240

```

ccctgggnngg aagaggngcgc gngcaggcta ccancgggca cgnaacgnag acncaaccga 300
catcngnacc gggggaggan cnggggncac gnnccnnngcc nggnaagnag gangnccgnc 360
cccgaagcga cncngccng gnnngnacga cnaccnnagc acntcangan ngngcacgnc 420
ncagngcgan gacaancgcn caccgncacn nncngccgac gggnggggaag acnccgaccn 480
ganagcgccn ccccagatgn ggaagcncga gcgncnngaa gcnancgcac cnggncgggc 540
cccccagggn cgcaggganc gnnccacann aancgcngcc caggngnagn ncccggcacn 600
anccnngnnn anacaggcnc nanggacagc nncncggaa aggganagn ggnccacngna 660
acancngnca acncggcgaa ncccncggcg ccagacnnca cnggggncn ngcancaacc 720
tagcgnnnca cggaaacgcn cncnnggaa naccacgncc acnnacgccg cnaaaantgc 780
gaccggnncg nacacgaang nacnggggca cnagcacnac tcngacagca nagnngcng 840
cnnccnncnn nagecgtcgc gacacnanag ncngacgggn cnggnaaann nngggagagc 900
gaanaggcgg gcacgcnngn gaagcnggac tacggccncc gggacnnncc agngagnnc 960
nntcgacacg gggggggncc acacancacn cacncggnga accgccacac nnaannccncc 1020
ncnggggcn cagacannga naccnggnan aaaccggggg gccaccatc ngngganann 1080
caccaanggg gccggncgcg ccggaacccc cncngncggg cagcncgca aacgncatan 1140
gaccnngnn cgcgcngga cgnngangga cancanggn cggcaccanc nnaatnngn 1200
gggcacacgg cgcaacccc acgnacggnc nnaaagnggc acanancng ngngcangc 1260
tncacacgnc ncancngnct cgaggggncg ngcacannng gatcagaccg ncacnngng 1320
ncgcnccncg ggngnntnnn cccnctcnc nganaacnng cnnnnanagg ggggccaca 1380
cngacnaang gggcgacgcg cncnntacgg ggggcacana cnagnccncc agccgncac 1440
cannaanacc acgggggnac gcganaaacn acagnnnccn nnnctcngng gnacaaacct 1500

```

<210> 2422

<211> 749

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(749)

<223> n = A,T,C or G

<400> 2422

```

nnnnnntttt tgaacatcat tcaatcctt gctgncggtt gtgggccagg aaanaaccag 60
cancangtta aagtaactcc tggcattgcc caccaggggg ctggtgcacc tgctgacctc 120
agggtcacag ttgagtcatt tgccagtga cggagcaagt ttgaccttg ttctgttgc 180
gaagcaaatt tggaactttt ctgtctcagt gtgatccact aaccacagc atcatttgga 240
acctgaata gctctgcttg gacaatgggg ttgggggaata gggttgtctt tcctatgaaa 300
atgccatctg tagaccttgt gagtcanccg tccagatgtt tgcaggtgaa ttcctctgct 360
tgacatcctc cctgncactt tggaccctat gggagtgggc atntccacgc acctgtgtat 420
gtgaaagtca ttttacattt caaagcagtg tgtgtntctt atntctatat ttttaactct 480
ttattcttgg atgtataaag tgaactttt ggcttctgta agtatgctct atgcacctct 540
aatgttttat catgtattta tatgtgtac acagtactgg ctgattctgt aaatggatgt 600
attgtacaga gaacatgaac gtctcttctt aattttacat cttcagcatc attgcattaa 660
agtgggtgaa atctccttct ctaaaaaaa aaaaaaaa aattentggg gccntttttt 720
nctnaaacc aaactttann agaaccctn 749

```

<210> 2423

<211> 767

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(767)

<223> n = A,T,C or G

<400> 2423

```

nngtcttttt gaaccgntt cgaattccgt tgctgtcgga aggggtgctgc tattgggtct      60
atggaagctt atctatcaaa ggagcaaaca tccagaaaag tgtttataaa gcaaatgtat      120
tgctctctgt tagagatttg cccagctgtt ccagttttta acattaaaaa ataaactcag      180
ttgccatggc aaaaatagaa tgcacagctt acttataatt ttccatgcag tatagcataa      240
ggatttttga cttgaaacaa ccaaagaact cctccttaac gagacagtcc aaattcctga      300
attagtattt cttgactatc aacttaaaga atggacttcc tagtacaatg ttgcacttat      360
ttttctttct gaaataattc tgcctgcatg tatgtgttgt gttttagctt ctccccctac      420
cccaccccaa agatcttttc ttctaatgg ttaatgtctc aactcggcta ctgnttacta      480
tcagatgggt ttctattagt gaatttaaga cctctttgag aaagcttgta tataaaaagt      540
taacagatat attttatgga aaaacccntc ttattttcaa atatatattaa ctgctgttat      600
attntattag agganggttg taaatatttt nctaggagtt ctattgtaaa agaaaaagta      660
ttttttgaaa aaaaaattaa tngtaataaa aaagggaaaa cctttttaaa tagntgggtt      720
ggcgattgct tcctggttct gggctttcnt tatgtcctat ttttcnn                      767

```

<210> 2424

<211> 747

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (747)

<223> n = A,T,C or G

<400> 2424

```

nnncnttttt gaacncgntt cgaattccgt tgctgtcggg accattaanc ctgcctgggt      60
ttgaatccta gcattgtcat ttacaggtaa tatcatcttg ggcaattcat ctataaattg      120
ggataataat accaaatttg aacaataatg ataggttagt tgtaatgatt aaatcaaata      180
atgagagtaa actcctggag tagtgactga cacatggcat gtaataaaca tttttctttc      240
tacgaggtat tgataattat taacctctta aaagcaattt ggactccctt tgtctcttat      300
tgtcctgtga cagttaccat gagtgcattc tcccattttt gtttaccaga tctgccccag      360
gaacttttta aaagattgat ttctttcttt tgaaaaataaa acaaatatgt gaaacatact      420
gaaaatgcta aaacctacat gagagtatta gaaagtaaag aatgtaattc tataatcagc      480
tacatatgga taggcagaga gaggggtctg cttcttgtcc agctgtagct ctgtgctagt      540
ggaagcatgt cctggagttc acgatgtggc caagagaaca gatgtagtta ggcaatggag      600
atgggacaga gagctgcaa gtgctgcact tgcctcttta ctggacccaa aaggctctca      660
agtgtaacac ctttctgtag tgctgtagat cattaatctg ggtgtgtgat gaccatctga      720
tctagcacat ccagtggcat tgtgcat                                           747

```

<210> 2425

<211> 750

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (750)

<223> n = A,T,C or G

<400> 2425

```

nnnnnnnttt ttgaaaccct ttcgaattcc gttgctgtcg ggaacatttt tcaagcnaga      60
aagtgntctg cttggttcta tgaatatgca ggtcctgatn aagttgncgg gccngaagga      120
atggaaaaat tangtgaaga cattggtgtt gaacctgaaa ntattattat gttagnntta      180
gcgtggaaat tggaggctgc aagcatggga ttntttacca aggaagantg gttaaaggga      240
atgacttcat tacagtgtga ctgcacagaa aagtncaaaa acannatttg actttntgcy      300

```

```

ctcacagttg aatgatatnt cgn catttaa gaatatctac agatatgcct ttgattttgc 360
aagggataaa gatccagaag ccttgatatn gatactgcta aatctatgtt agctcttctg 420
cttggganga catggccact gntttcagta ttttaccant acctggagca atcaaagtnt 480
cgtgttatga acaaagatca atggtcaatg tattagaatt cagcagaaca gtccatgctg 540
atcttagtaa ctatgatgaa natggtgctt ggcctgttct tnttgatgaa ttngttgant 600
gncaaaaanc ncnnggaca tnatagcann gaactatntg aagaaaatgc aaacctttca 660
atttcccacg tgtatncnag ctaatgtgat nanggggaaa anaaatccaa cggntgcant 720
ttcatcctc tgaaagactc cntagtncc 750

```

```

<210> 2426
<211> 753
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(753)
<223> n = A,T,C or G

```

```

<400> 2426
nagnnnnttt tgaaccgnt tcaattcctt gctgtcgaga tttggatttg acttgagggg 60
tataccactg gacttttcat cttcccttgg gattattgtg aaagattttg agacaattgg 120
acaaaataaa ttaattggca cggcgactgt agccctgaag gacctgactg gtgaccagag 180
cagatccctg ccgtacaagc tgatctcctt gctaaatgaa aaagggcaag atactggggc 240
caccattgac ttggtgatcg gctatgatcc gccttctgct ccacatccaa atgacctgag 300
cgggccagc gtgccaggca tgggaggaga tggggaagaa gatgaagggtg atgaagacag 360
gttggaacaat gcagtcaggg gccctgggcc caaggggccca gttgggacgg tgcggaagc 420
tcagcttgct cggaggctca ccaaagtaaa gaacagccgg cggatgctgt caaataagcc 480
acaggacttc cagatccgag tccgantgat tgagggccga cagttaagtg gtaacaacat 540
aaggcctgtg gtcaaagttc acgtctgttg ccagacacac cgaacaagaa tcaagagagg 600
aaacaacccc tttttttgat gaggttgntt tctacaatgt caacatgacc ccttctgaat 660
tgattggatg agatcattca gcacncggg tttataattt ctcactcttc tgccggnan 720
gattgtcctg atnggggaat ttaagaattg atc 753

```

```

<210> 2427
<211> 1471
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1471)
<223> n = A,T,C or G

```

```

<400> 2427
nnannnnccc nnnangngnn cnnnnancnc cnnnnnnnnn nnnnccnnc cennnngnnn 60
nnnnncnanc nanggnngac cennnggnnn gnnngnannn nccannanc nncnnngcng 120
acnannngcc nncannncnn nngggngann nnnngnncnn cnnngcnncc accngnancn 180
nncancncnn gccncancnn cccgagagnc ncnnncncn cncannncn nnangcagnn 240
cncagccagc gncgagtcn nnnancncng cgatcanngc nanancncgn cennngccnn 300
gcgncgcnc tannagnnga gngcctttt ttgaaacccc ggntgcgnaa anagcctggc 360
ncgctngcan naanganntn cgcncncggg cennncggac ngcgcgnanc nngnnngnga 420
ggngnncan gccaaagcaan gggacgnacg aggggnagnnt aaggctggag aagnnacgcn 480
cgacnccag canggcggtg gcttagcagc gagcggagat cnnaccactg nggccnccc 540
tagggaacag agcagagcgg ngtnaaaaa gaaaacncgg ggcgngnagn cncnaggggc 600
cntgccggcn agacgnaggg ggaggtncnc ngggccggcg gcngncangg tganncanng 660

```



```

gggacacgng gccggaccgg ngccanaggg ggnnngccna ggagccnggg aannanance 720
nncgngcgng ngngaaagcn ccgnnancnc gaanacaggn cgcncantan nccccacggg 780
nngaananana cnaanaaga acgngggcnn gncanacggn naaacgngc tccggggggn 840
gaancaaaang agntgcccc aaggngnnnaa nnacgggcnc nnacannngn ggcggnncag 900
ggggcatann cncaccgatn nanncttggg canaaanccg cnaangcccc acgncggng 960
ggnngcaacn nagnatagg agancctcng cnggggacgn tcncccnngg gggaaaaccg 1020
gacccgncgn gnnngnnncan ccaaaanacg nctgccaaga cganngggna tgcngcngcg 1080
ngggcgacac aaacagccgg ggnnnanana acnnncgna nacacnccga annaccgcat 1140
anactcgana aacacggcgc ggcganaagg agaacggtcn ccacagaaan cggatcna 1200
nanancannng gatnngnnng ggccccaaga nacgaanagc acgngnnngn tngcgccann 1260
gcgacacnng ntncnccgc tanacgnntn gancnccaca gatnncancc nngaangccg 1320
gggcnancc gggccagaga ngngctcnca cagagggggc ncgcnccan tgcacacant 1380
nccnggaaa ctncnccgc aanagngggg gggnggcgac caaaaaac aatnctcgcc 1440
tcaagccggc gcgcncatn nanaggctcc c 1471

```

<210> 2428

<211> 754

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(754)

<223> n = A,T,C or G

<400> 2428

```

gnnnnntttt tttaaanccc tttegaancc ctgctgtcct natacggccc ntaaatngga 60
tatccatntc gagatntang aatccaaacc ctnttatncc gacnaaccat tagctccnga 120
atnangtget aaangagggt ctccaantag ntctnttata ttctatagcc tataatntga 180
ntcttgcatc cccacgtgtg gcntaatnan natectatac ntgnacagct nggagcntgn 240
nntagntcca anccnaatga tncgagggtat aanatactaa catcctttgn annnacacaa 300
aagcttgnac ctatntatat atntggctat gacngtntct ntanngcncg gattnancn 360
tatectattg nnnntgannt atnanncnnt nnatgttcnn ctaattctgg gnccnatgtt 420
gaactttggc ctaaggattn ccttacanag agntantnta nnnncanntt ntgncccgaa 480
gcntannagg tnaacttcta ttcttaatnc agnccagaga nnatgattng nactatgtac 540
ctntttttna cggnaaactn nnagantatc ctctnngagc cntnattgag atggetgtna 600
ctnttttggg gtcttnagga acntgaantn aaagntgtt cgcgnccttn tttctnagg 660
aaaccctng ggttttcccc atgcctntaa nnccgcttn gttannntnn cccnattcc 720
ctgectaacn ntngcctnt cngcnatncc ccnc 754

```

<210> 2429

<211> 982

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(982)

<223> n = A,T,C or G

<400> 2429

```

cacntnnncn centnanncn nnnnnncann ncnctnccna ctntnnannn annctgtca 60
nnntctctnn anaanttan cgcactcann tncnccnccn natanaccat nctacctna 120
nnancatanc nnnanagcn ncnacntan ccnaccnac nacaagncna ataatanctt 180
atccnaaaga gcnccctttt gaacccctn ncnaaacccc gctgncgacg ccttntgcag 240
agtgaaggac cccaactctg gactgcccac atttgcctc atcaactgga caggcgaggg 300

```

cgtgaacgat	gtgcggaagg	gagcctgcgc	cagccaccgt	cagcaccatg	gccagcttct	360
gaaagggggc	ccatgtgacc	atcaacgcac	gggcccagga	ggatgtggag	cctganngca	420
tcatggngaa	cgngggcaac	gcttcagggt	ccaactacag	cttacacaag	gagagnggcc	480
gattccagga	cgtgggaccc	cangcctcca	gtgggctctg	ngcaccanaa	gacccaatgc	540
cngtgtcnga	gatnaanagg	gttggtnaaa	gacagcttct	gggccaagc	agaanaagga	600
ggangagaac	cgtccgntg	gaangaaaag	cgggctggcc	cgaggaggcc	agnggcagnn	660
tggagcagga	gcgccgggag	ngnngagctg	cnnncanget	gcacaccngg	agcagcggtg	720
ttanganag	ggnggcnaaa	gccagcccna	anagcaggac	gtggnganca	ncancncnga	780
angcggnttc	nanngaacc	nnaanngatc	nngaantctg	ccgtgcaccc	cganggnaga	840
antccnaag	cccaaangng	nanngacang	accnaccaac	ctatcatctt	ccaannccn	900
naancggnt	cnngcngaag	gagccccttt	cntgcnaaaa	ncncnctcac	ccaanccnta	960
nacaccaact	nnggcnaga	nn				982

<210> 2430

<211> 1705

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1705)

<223> n = A,T,C or G

<400> 2430

cnccacgcac	nncnancang	nncnacgann	nncnncnncn	ncnnnnnnnc	nncngnnncg	60
nannnnngcn	nnagacngca	ccncangccg	nggcgcncng	ncnannnncca	nngcgncnccg	120
cnnncnnncg	nncgagacnn	gcnaagcgca	ccnnncnncn	agcgcnncnc	aagngcccc	180
nttggaacc	cctttcngga	anaccnaagn	cgagcngaaa	aanncgnnng	agaagcnccc	240
ngggccgcan	gctagcangc	gggagaannc	nnanacanga	ggaggnccng	angcancang	300
canacgnanc	gagcngnng	ngnngngang	cgaagcgcg	nccccacgac	cgngtaccan	360
acnagnggac	ggagacgcnn	ggagnggtac	nccgannncc	nnngcgang	cgcgccnaga	420
angacgncng	ccacaccenn	acgacggcnn	gcancacaag	canagagnnc	tgngcnggtg	480
ccannncagn	cgaangngcc	cnacngncng	gacngaagna	nnccanagnc	ancancgccc	540
gncaagncnn	ncgcangcga	nacaccnncn	gcancggnnn	gcgcnngnnng	cngggcgcaa	600
gncgcnann	naagngcag	gncnnagcng	ggccgngnga	cnctnganat	tnngcggaact	660
acgcgganac	gnncnccgca	gngagcacca	cnagaacncc	anccggngga	nggnccccna	720
nanannnggn	nccanccgan	cncgngggcg	anaggnaccg	acgagnganc	cacggngnga	780
ccccggganc	cnngggnnnc	cggagggngg	nacaangaan	ngccnngcga	ctcncgcacg	840
tcncanacng	aggactcngg	cacggcggnn	gactcaanag	gcgcnnnaan	ggnncaccgg	900
cggcgacnan	aggccgcgng	cncagcgcn	ringcncaaac	gngngaacgg	agacgangac	960
ncgcnactcn	ngagncncc	gcngagcgcc	agggcnnggg	anacgncnan	agncacagac	1020
ggagcaannc	aanggcgcgc	gcgangaccc	aaancnacga	ngngcgagc	ggggagggcg	1080
nacnnnnnca	nncnaagccg	cgcggnacag	acagngcncg	nagcgcgcn	nnnnaganca	1140
gncacgcnn	cncagcgccg	catcagcgcc	gcgcnaaac	accgcggnna	gnancgagag	1200
tcgcggnacn	ancccnncag	nnngnnngacc	acagncnctc	cgcgccacgc	nnncnngnatg	1260
cnccgaanac	ncacnnnngc	nnccgngcag	tcngcacgcg	gcganannccn	cgnctaaccac	1320
acgcgcgnc	cacngcggn	cngnngcgcn	ncngagcgnn	gnnttacacn	cnacgcgcatc	1380
ngacannng	anagagcgtg	cnancgcn	aacanacag	nnccggggca	nccanangn	1440
tcgagncgac	nanagagac	gngncgann	gngcncancn	cgagctnnga	ccncangcgn	1500
ncgacggccg	cacanncacg	gcngngcnga	ccnggcagan	ncacgncnn	cgcagacagc	1560
cagccngcnc	acngngcaca	ganggacaca	ngcgacacca	nccgttnanc	acngnacacc	1620
gccacgtacg	cngcnnncnn	acgacnnggc	gcgacagcnc	gacngccccg	acgacacgcg	1680
cacggggccac	cgcacgcctn	cncct				1705

<210> 2431

<211> 754

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(754)
<223> n = A,T,C or G

<400> 2431

gnnnnnnnttt tgaacnccgn ttcgattccg ttgctgtcgc ttttcctttt taaagaaggc	60
tgctaattgg attttggtag ttcttacctc aagaaaactt gaattatttg ggggaaagta	120
ggctcaaaag agaatatatc ttccacattc acattcagaa cccagcaacc tggagtccaa	180
ttttcagtat tttaactacc tcaataatgc tatgaatgta agatattggg atagagatcc	240
caacttgaaa caacagccag tgcctgtggg aacttaatgt cttgtcaaat acttttattg	300
attggtttat atgccattct tgttatagaa gaatatgcct tttaaaaaag cttattaata	360
acactttccc aatttatatt ttaaaaagct aaagaacact ggattaataa tcttttggga	420
gggtagaata aaataattga ttactattgc tgcatacccg ggggtgggatg ggggtggttg	480
agaaccagaa ctatttttaa aacattagggt ttcaatataa atacaactca caactgctag	540
ctttgggggg tgggggaaca ttgtgtgggt tttgttttgt ttaatttatg gattagtctt	600
taaagtaggc tntttttttt ttttgnaaan tccggccent ttaaanggnc ncctgnaaaa	660
aatttaattt ntttnanggc ttttccnann ncccccttaa aaaaaccnc tntaaggcc	720
caanntggaa acccaaagtn tttttggttt nccc	754

<210> 2432
<211> 762
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(762)
<223> n = A,T,C or G

<400> 2432

nctcnccctt ttgnaacctc gnttcgantic cgntgctgcc gnanaatnanc agccccctatn	60
acnnacgtag ccacantcnc aaatnncaaa agggaatggt ctaaaaacttt ttcttcctta	120
aaaatggaga aaattgcact tgtgcttgct gngtggtata taaaccagga ttagtcccag	180
ggctcgtgagg ttectggtga aaagggttaa tcgtngaagc tagtatattn tntatatttt	240
tgnaacaatn gcttttttca tgggggaggc ggngttagta tttatagncc taacaagtcc	300
agtaattntt tataaatctt cagattataa acagccccta aaaactttac aacgtttaca	360
cagtttttta aaaagagact gtntacactt gatttgcttt caaaataaat anngtcagct	420
agtctangag gttaacgten ggtaggaatg ctgatcatga taggtttggg tttctacaga	480
ttctgttccg gtgccnttcc ctatccaggc accacctgan aaagntgtca tttgaggtcn	540
cacttggaag ttacatctgt gaagcccctg tcaactcgcc agatctgtgt tgtgtancat	600
gtgcttgagg aagcacgtgc tgggctgtgc cctcatacag tgcataaccg gggcaccag	660
aaggctngcc tggctatctt ctgtctcngg tnnngtgtgg agtgntggng aggggaacaga	720
tncnngatca aacctggggc tggttttccc gtctaggctc ct	762

<210> 2433
<211> 746
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(746)

<223> n = A,T,C or G

<400> 2433

```

nnnnnnnnnn tttttaaacn ccgattccaa attccggttg ctgtcgggtga aacgctgtct    60
ctactaaaaa tacaaaatta gccgggtgtg gtggtacacg cctgtaatcc taagtactcg    120
ggagactaag gcaggaaaat cgcttgaacc cagaaggcgg agtttgcagt gaggcgagat    180
cacaccactg cactccaccc taggcaacag agcgagactg tctcaaaaaa aaaaaantta    240
nontntattt tttagggcct ttcnanataa aanggggatt ttcttttcct gtntaaaaat    300
ntaanctnct nggtncatta gtaanatngt nttgngnggg ttagtatatg tgnncttgna    360
acagntcccc nggntccttt atccnctaaa tntcagtagg tncccnattn tgnacactgg    420
ttgngacanc caaaaaatgt ntccanacnt tggcaaatgt ntctggggg aacaaaatng    480
ctccnttttg aaaatcactg cnttaaatnc tntgttnagg nttaaataag acnctaaaaa    540
nttttaanct agcaggggac taanaatttg ngagtattgt ttgttgcatt ttcataatta    600
tcatgttggg aattttaatt tnccctagcc ttatttggag agtttaactt ttttttngg    660
ttngtttngt tttgaactnc atnttnaacc cactgttaaa tgtaagccc ttaaaggga    720
ttaaaggga cattttgngn ccccn

```

746

<210> 2434

<211> 757

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(757)

<223> n = A,T,C or G

<400> 2434

```

nnnntnnntt tttcnaanc ccnnttnega attccggttg tgctcgttgt ttttccacac    60
agtggagctg taactgcact aagatggagc aaacagattt ccaaagatta agattcagta    120
aattatagtg agaattgaca agaagtttct gtttatccat tgaccagaga agggaaataa    180
ttcatcaagt ttagtttgaa ggtctcaggg atgttgaaat cagactttta catcttaatc    240
cagtgagaat gaaaaatgaa ctacttatag tgtctgcca tgacaagtca tttctttgct    300
tanggatgca aatcgatca cacagtgtgc tgaatatatt ctttcaaaga gataagctgt    360
ttgtttttca aaatggagct tccaggtgtg ctaattctga acacgaagct ttgttatttg    420
gagaanaata tccttttatg gtggtactag gttagtggc aaatatttac taatgcatac    480
tttngctan gaactgttgt gtcatgagg acagagaaaa gacaacacag atgactcctt    540
gtctgtacat agctnccact ttagtgggag gagacaaatg atcaaagtgc ccccatgaga    600
agatacgata aagtgatgcn ttacagattg actaaattgg ttaangaana tctctcataa    660
gaggccang cgccggcggc tcacacctgt aatccagca ctttgggang ccnaggcaca    720
tggatcatgg angtcangag ttcaaagatc agcctgn

```

757

<210> 2435

<211> 798

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(798)

<223> n = A,T,C or G

<400> 2435

```

nngnnntttt ttccaacctc gattcgaatt ccgttgcgtg cgaaatattg ttttaaaatg    60
catcagccta tgctatacaa tctgaatgtt attttaactt atagtttttt ttaatatata    120
tatttaacta taaggacagt ttagggaaca agttacctac cacatttcac ttagtgttac    180

```

```

ctatttacag aaagattaaa ctgccacctg cgggcacatt cccataaatg tgtactttac 240
tttaaaaaga acatgccacg attttgtctt tctgtggact caacattcac ttcgattaaa 300
aatagcaatt tgaccaagtt ggacttccac tacaaagcag ctgttttcca aagttcaatg 360
ctgacatata tgtatattaa aataattgcc tatttattaa tctacaaata gacaacgttg 420
gcatgttctt ttctgtttgt ctattaatgg gcctgcttct tagcaatatt agaatgtttt 480
ataaaagcaa ttcatgttac ttttctggtc ttttcatggc atatgagcaa ataataaact 540
atttacacta ctaaaaaaaaa aaanatcca aactaaannt annntannaa aaaaanaaat 600
ntntnnccng gnccttnttn tnnnnnnnn ncnncnntnn nnnancncc cccnnnnntn 660
ntntnnnnnc cncccccnn cttctntnac nnnnnntnnn nncnncnnnn nnnnnnnnnc 720
annnnnctnc cttntctenc nncnnnnnnc cnnntnnccn nnnnnnnccn ncnnnnnnnn 780
ntnnnnnnnc nnnntnct

```

```

<210> 2436
<211> 852
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(852)
<223> n = A,T,C or G

```

```

<400> 2436
nngnctttct acanganca ttcgtgctgt cgncaaaggc tccactccag tnnctgcct 60
gtnaatcacn aatatgctna ncaggagagg cttttgnant catcttcac ttgacattnc 120
aagagcagna cngggtnagc atncacaaaa gnacactgta aaacngggaa ctgtgtntca 180
cccttctctga gtnaaaaggg aaagcttatg cctcagcctg aggcaggngg gcccttgcc 240
atgcacacct ttgtgctgca nccagggatc cacttggtcg ggctcaacct tccccgtag 300
ggacgactgt acanaaagga gnccgatag nagcaaggcc cgnccangng aangcctgct 360
tctgtgggt cccctgctg ggctggcagg gagtggctng ngctnggagt ccnaattac 420
ctgangacac gaaaagctnc ancttctntg anaaaactca nattttgtaa attgcgccat 480
ccanttgana gcacnttacn gnggnaatcc cgcgggatt nggacttgnt anganncc 540
tngccctnan cggnggtnt tnnncctgct gnnctggccc tgtanntng ntgcctttga 600
nnnnnttgn tntccccnt agnntctctc ttactncna ggnttcntc anttctttca 660
cngtanatnc egacanancn tctcttntg gcactncntt anacggantc ccttnnacga 720
natncttatn nnnntctant gncnngcna ttnntcttc cttntccent ttttgccnnc 780
cnngananat cctnnaaaaa ncntctngct ataaaccgtt cttnnctat cncanatatn 840
tnatanctnn ct
852

```

```

<210> 2437
<211> 750
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(750)
<223> n = A,T,C or G

```

```

<400> 2437
nnnnnnnttt ttcaacctcg ttctgaattc cgttgetgtc gcctgaacct gaaaatccca 60
gggtgggcgtc ggggactagt anggtgggga agccttggtc ccagccttca gggcagtggt 120
tgcctttggg aaccaagttt aggcattggc canaacacag tatccaagtc ggctgtgctg 180
accttttcat tncacttcat ttcatatgt tcttctatgt ttattttcac agagtctcat 240
ccaagaaaaa caaatgttta ccttgctacc tttntcctct tccaaatana aatagcttta 300
ttgtgtcaca tgggggaaac gtagatntgc ttttagattt tcagattaac tatctgtcaa 360

```

atngaatacat	gtcagtgaaa	gaactggccc	tgccgatgcc	agggctctgga	agtattttaag	420
aggtgggcagc	ccatcgccat	ccttctagta	tttctctntc	attnctgaaa	ttagaacnag	480
ggctgtgctg	canaactcgc	tgggccacat	ctagcccttt	ggtggtgaat	cgttcctctn	540
gggccccgat	tagccagtca	acaggtcaca	cagtctgctg	aaatgtgttc	caagttcttt	600
ctatagagaa	tccttccna	gggaagccac	tgtgantgan	aattttgang	ctcctntgcc	660
cagaagtttg	gcatgttctg	tggaaatncn	caaattctta	catanaangg	aaatctaaat	720
cgcntcagat	ggagcttgtg	ttgcgagctc				750

<210> 2438

<211> 1233

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1233)

<223> n = A,T,C or G

<400> 2438

cncennnnnn	cctnccannt	cnnncnenn	ncnnncnnat	cctcnatnnn	tnnnncnnan	60
cntcnntacn	nanncaen	annnnncegn	acnannntnt	cnnntntac	nncnnnnan	120
nactctcaca	cctnnacn	cannccnnc	atncntnct	canaacntnc	aannctacnn	180
ntcnccgtaa	ncacancaan	catccacat	ncacnctct	catatnann	tnagcngnan	240
tttttttaac	cannccccga	attccgntnc	ncnctcngcg	cagtnggcac	atactggctn	300
ngccaagctn	cataaggnnc	aagtgggagg	atcgcgtaaa	caccagggga	gatgtgaggc	360
tgagagtgag	ctgtgatagn	gccantgcnc	tcancctgaa	tgacagaggg	acaccctgnn	420
nnaaaaaaaaa	agtcagcgga	taactaggac	aaactacntt	ttactgctn	anagctgggtg	480
gctgcgcata	ntggacagac	cnagagactn	naggetcaag	agggcggtga	tcgtccacct	540
ctaattngcc	aagggaacct	tgcccttaata	ntgcnnanng	ntgaaan	ggggncenn	600
nannncngcc	ggggccacag	accaagactc	catngcacta	aacnnnnccc	gangcnagcn	660
nnangacaaa	gggnnttaan	aaagantnna	catcccaaaa	ccattggcgg	nagggccnng	720
nnncnnnccg	agcngacaaa	aggcttnaan	gaccacgcgg	ancactenna	tnngnngcan	780
ntggggntac	aanaannncc	gnccnannct	angnttnaan	aanngnactn	nccacgcaac	840
tttttanaaa	ngcncctcng	acncnnaaac	attngcnccc	tnanaaangn	cnnangcett	900
nanatcaacg	nncaagggca	cnctntgcct	nanagggngn	aaatctntct	caggnnnccn	960
ntcnnagggc	ntannaacac	tcgggcctcg	gcaaacnnag	naanccann	acatcgnttt	1020
tngcccnngc	gntncngcaa	nacacacccc	tngtngngg	gncacgcaac	aggggnnaaa	1080
accntctttg	getgcantaa	nnnaagcang	ccccnaagca	ccctntctta	ctcncnaaga	1140
tannggctcn	anaaaagngn	ccccncgctc	cnnggnanan	tcnnatctta	tentaccnca	1200
nntcgntnca	aacnaagccn	tnangnanan	cct			1233

<210> 2439

<211> 784

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(784)

<223> n = A,T,C or G

<400> 2439

nnntcctttt	tnaaccnctt	tcgaattccg	ttgctgtcgc	tcaagcttca	aacagcgcag	60
ataaatgcag	gcaagtaaaa	gatgccgcgc	ttgctgccgt	caccgccttc	tgggtcgtec	120
gccacgggtt	gcactgccgt	ggcagacagc	tggacttgag	cagagggaac	gacctgactt	180
acttgactg	tgatccccct	tgctccgccc	actgtgacct	tgaaccccat	gcactgngac	240

```

ctccccctt ctcccccttc ccactgtgat tggcacatcg acaagggctg tcccaagtea 300
atggaaaggg aaaggggtggg gggttagggga aggttggggg gaccancaa ggactcagag 360
agtcagacag tgccacttgg ccacttgggg taaagccagt gccagcactt aacagnntat 420
catgctcatt aatttgggat ttnaaaacac aaatgaaaac tcacacccac ccaccncaa 480
gtgcatgtct tcatcactta aaaaagtaag ttcatttgaa aatattcctt tctttttttc 540
tccttctcta ttntngtttg attatccaaa nntctgac tncncnaana aacntcnttn 600
gnntggggnt nttagnnggt ttaanatgaa ttttnnacnt nacacnaaag gcnnnntctn 660
gnnanntctt acttttnaan nngtcttctn gggcaaantc tccttnaaaa ctcttaaccn 720
ntnngntttt tgnnngagnn ttaacntnnt gccttcccta nctgnccccc anccttnaac 780
nnct

```

```

<210> 2440
<211> 783
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(783)
<223> n = A,T,C or G

```

```

<400> 2440
nncttnttgt tcnancccg tcnantcctt gctgtcggca actcggagga gaagaccccc 60
gccccaggc tagctgcgga gaaaaccaag aaggaggagt acatgaagaa gctgcacatg 120
caggagcgtg ctgtggagga ggtgaagctg gccatcaagc cttctacca gaagagggag 180
gtgaccaagg aggagtacaa ggacatcctg cgcaaggccg tgcagaagat ctgccacagc 240
aagagtggag agatcaaccc cgtgaagggt gccaacctgg tgaaggcgta cgtggacaag 300
tacaggcaca tgcgcaggca caagaaacca gaggccgggg aggagccgnc cacgcagggg 360
gccgagggct gaggccaggc aatcacgggc tatgcccggg gagctgtcgg gagtggcggg 420
aatcggggcc atgcccgggg agctgtcggg agtggcgagg atcggggcca tgcccggtng 480
agctgttcgg gagtggcggn aaatgggggg catnaccatg cctgccgtcg ggttcctgcg 540
ctgacacctg gtcttgtgca cctgtgttgc ttacagttna aaactggaca cttttgtatt 600
gtatattata nagacacctg tttccatttc taatttatca aaaatgngat tatcctttaa 660
aaaannncta ttnannaant ttcttngngn gccttttttt tncnnttata ntcccnnnn 720
cantttatta ctaaacncca tnnntncaat ttttgggtcc aaaactcctc cnntccttag 780
nnn

```

```

<210> 2441
<211> 751
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(751)
<223> n = A,T,C or G

```

```

<400> 2441
ancnnnnntt ntttnaacc cttttcgaat tccttgtgtg cgccttcagc cccctgttca 60
cagcatgcat ttccccggat tgctcccatc cgagcagctg aatccctgca cagccaaccc 120
ccacagcacc tccagtgtcc cctctaccgg cctgactcga gcagctttgc agccagcctt 180
cgagagttgg agaagtgtgg ttggtattgg gggccaatga attgggaaga tgcagagatg 240
aagctgaaaag ggaaccaga tgggtctttc ctggtagcag acagttctga tcctcggtac 300
atcctgagcc tcagtttccg atcacagggt atcacccacc acactagaat ggagcactac 360
agaggaaact tcagcctgtg gtgtcatccc aagtttgagg accgctgtca atctgttgta 420
gagtttatta agagagccat tatgcactcc aagaatggaa agtttctcta tttcttaaga 480

```

```

tccagggttc caggactgcc accaactcct gtccagctgc tctatccagt gtcccgattc 540
agcaatgtca aatccctcca gcacctttgc agattccgga tacgacagct cgtcaggata 600
gatcacatcc cagatctccc actgcctaaa acctcttgat ctcttatatc cgaaagtctc 660
actactatga tcctcaggaa gaggtatacc tgtcttctaa aggaagcgca gcttcatttt 720
caaacagaan caagaggtgg aacctccac c
751

```

<210> 2442

<211> 746

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (746)

<223> n = A,T,C or G

<400> 2442

```

nnagnntttt attcnanctc gtttcgaatt cegtgtgtgc gccggtccg ccgattcctc 60
ctccttggtc gccggtcctc tggctggcgt cagaaaaatg gctacaaact tcctagcaca 120
tgagaagatc tggttcgaca agttcaaata tgacgacgca gaaaggagat tctacgagca 180
gatgaacggg cctgtggcag gtgcctcccg tcaggagAAC gngccagcg tgatcctccg 240
tgacattgcg agagccagag agaacatcca gaaatccctg gctggaagct caggccccgg 300
ggcctccagc ggnaccagcg gagaccacgg tgagctcgtc gtccggattg ccagtctgga 360
agtggagaac cagagtctgc gtggcgtggt acaggagctg cagcaggcca tctccaagct 420
ggaggcccg ctgaacgtgc tggagaagag ctgcctggc caccgggcca cggccccaca 480
gaccagcac gtatctncca tgcgccaggt ggagccccca gccaaagaag ccagccacac 540
cagcngagga tgacaggat gatgacattg acctgttttg gcagtgacaa tgaggaggan 600
gacaaggagg cggccagctg cgggaggagc ggctacggca gttcggcgag aagaaggcca 660
agaagcctgc actggtgggc aagtcctcca tccttgctgg atgtcnaagc cttgggatga 720
tgagacggac atngntcaac ttggag
746

```

<210> 2443

<211> 732

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (732)

<223> n = A,T,C or G

<400> 2443

```

anctcggttc gaattccgtt gctgggtgtt ttaaaatacc tggactcaat gacaaagacc 60
gagtcttctt tttttttaa caaaaacaaa aaaagcaacc agggctattt gtacagtga 120
aggggtgaac agaatggcg gctgtgctgg gagggtgaag accgggcagc ccgctattta 180
gagccatccc tcagtcagct ggcagggaca agccaacgcc aggtagcatg tggccaccct 240
tgcccagtgt ctgtggcctg gcaagtggcc acgccctgtg tcagaccatc tgggaattaa 300
gtccagaca gacttacaga tgccttctt aggagttctt gcttcttgcg ttgatacttt 360
gccccagaaa ggcctgggat tcattctggt tcttatcagg gtgtgtccac actctgctca 420
caggtggatc cacggcttct cagtgcggag agtcagatg ctccctgcag cccangcccc 480
gggcacctnc tgcaaccatc tctgggctca gcacctgagg cgggtttcct gggccccctn 540
tccagcaagc cttcaccagc aagctcggcc canancttcc cttccggctg gctctgaacc 600
gtgcnttggt gectacagcc tgcattcttg agacaagctt tttccggant gcttttggga 660
gccaggccag ggtgttaagg gaggtgcaaa ggcattccgg gccgggagca acccccagg 720
ttgaacagg 732

```


<210> 2444
 <211> 859
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (859)
 <223> n = A,T,C or G

<400> 2444
 anttgancca ttncgntgct gtcgganacc tcacgcccta nggatgtagc cccgctcgca 60
 gtgcacacgc agtccgcacg ccgncgacct ctgagcgggt cagacgccct tgtgcttttt 120
 gtttctaggg acagagtccc caagtgggtg cactgtttaa tnggaaagg gntcctggag 180
 ctggagcgct tctgccccca gcccttcacc ggcgagatcc gcggcatgtg tgacttcatg 240
 aacntcagcc tggcggactg ccttctggtc aacctggcct acgagtcctc cgtgttctgc 300
 accagtattg tggctcaaga ctccagangc cacatttacc atggtcggaa tttggattat 360
 ccttttggga atgtcttacg caagctgaca gtggatgtgc aattcttaan gaaatgggca 420
 gattgcattc acaggaacta ctttttattg nctattgtag gattatggac tgggccagag 480
 cccacacaag tttaacaagt tcttgggtgat gaaacgagat aaaggcttgc tgggtgggaga 540
 atgctntcgc ttgccccgtg ttcggagaca ccatttcccg tcnagcttgc tgatccccng 600
 cttacccttg anntgaagtc ngnaaacctt ccgaaaccan cntgttnggc angtttgggc 660
 ccaangaact tcccccttta tttgntcgtg angttaaatt taccnattng tttgntngg 720
 gcncngttcc cccccgggna aaggggggnt tngggtcatt cnaccgaggg aaaccngaana 780
 tattgnggcc cnaaccana ccantttttg ggcccntttt aaaaannccc tttttgnaat 840
 nnggnaaccg tngggnttt 859

<210> 2445
 <211> 796
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (796)
 <223> n = A,T,C or G

<400> 2445
 tttnnaacttg aatcngcaca atttgaatcc caacctcaga attctaagtc ccatatatta 60
 gtttttggta acaatcatca gtaaaggaga atattttaaa aacctataaa ggagtccttg 120
 acaatactat ctaaactctt ttatacattg ataattttat aatataccct gtatatatta 180
 ggtaaatgcc tgtaggtctc caaagaccta gaattgagaa tcagagggtg aacatccaaa 240
 caaatccctt agatgtggga aaataaggaa gttatcttat ttcgtcgtca tttatattga 300
 ggtgaatcat gatgganctg gtatgagatt tcctcaggag gtttcttgaa gcttatcatg 360
 tttacagacc ataacatact ctttgctgat tcatatagca atgaatgata aaatcagagg 420
 cacttggttt gggcacttaa aggaatgttt tcatctcttc tcccagttga ngccatgact 480
 tgaagaaagg ttaaaangnt ttgagtatca agtagcatcc tacaaaagga tctaaaacta 540
 gattttctag tttggctcac ttaanatgat aaaatgagat aattggagac tatcngttgt 600
 aaaatctgaa gttnggaaat nacaccgtag ccttgaanaa aatggtcagn gattcaccaa 660
 gaaaaantan gnaaacaacc atttacttca agtttttgcc ttcaaaaaaa gttaaaangg 720
 attttttaa ttggaanaaa aanctccctn aaattttgnt ccttntaagn cctatggcnc 780
 ttttgaaaaa ggaanc 796

<210> 2446
 <211> 780
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (780)

<223> n = A,T,C or G

<400> 2446

ttntactcgn tcaattcctt gctgtcggn	aagttgagt	gttgggacag	tgggtccntt	60
cgngntgggn agancactgn cttagatnat	gtgnggntct	tctctgggtca	gaggccaaa	120
tgagtggaca agtactgtga tttctcaagc	ccctatgcag	tgtagatgc	cactatgaaa	180
tacgagccat tgaaagagat ctcttcaact	tattatcttt	tatcacgaac	gtacatatca	240
gttatttatg agatcttttt ttttaaatat	ttcatttttt	ttcacgactt	tttctgccat	300
tgaattagcc tttttctcat gcaactgggtg	tcaagaaata	catgccataa	taagatggca	360
gttaaaacttc atcagtattt ttttttttta	aataagattt	tttancnng	cncaggggtt	420
cgcncctgta atttgaacct ttgggaagg	ccaaggcagg	aggatcacnt	tgaggccnng	480
agttcaagac cagcctagga aacttattgn	gacctgtnt	ttcagaaant	ganttccttg	540
gccatggggg catntncctg naggaanctg	aagtggagag	atccttgagc	ccaggagttc	600
aagaccagcc tgggcaacnt agtgagaccn	tgtcttttac	agaaaaattt	aaaaanttaa	660
ctggggcnct tggggccccg tgccttttta	ggaagncttn	aaattggggg	aagggatccc	720
nttgaaccc caggggagtt ttgaaacctt	ccantggggc	ccaaaattcn	ccncttcnnt	780

<210> 2447

<211> 806

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (806)

<223> n = A,T,C or G

<400> 2447

tcgntcaatt ccgtgctgtc gcttgttttt	cagacctcga	actatggaga	acaggaattg	60
aagcccaggt ggggtgtccaa tgccagacca	tggatcatca	gcctgggaca	ccaaagtgcc	120
acactctcag agtgaggatg atcctcagga	agtcagctct	accaccctcc	acaccaggaa	180
gtgcaagcag actcacctca tgattgagca	gaataagaga	atccttgaga	agtcataagt	240
ttgcatggat ttgcagcaca agttcaaaca	actagatggc	accaaattcc	tcaatttatg	300
aagacattta acgtggtacc caattggaaa	cgcctcatgg	cagaaacaaa	cataaatcct	360
ttctagaagg ttgccttgtc caagtgtttc	ccaaaccagt	nttttagggg	aaaatgcnc	420
gctnactata acngaanttt aacctaaact	tggaaatang	gaaccagcan	anacaggtct	480
gcanatattt cggtatatngg aagnatcana	cacagatttt	aaaacaactn	tncttaagat	540
gcttanngaa tnaaaaggcn acntttaaaa	nttattncc	ccntngaaaa	ttttttaaaa	600
acaatccanc atgtttggaa aagagaagcc	caantggaaa	ttttcctaaa	ncannaccaa	660
accnaancca aatggaantc aaattggaaa	ttttaccacc	ancancaann	ccccnnaaca	720
cattggggaa aaattaaaat tgccnttttg	aaagaagagn	aatttaagtn	gnaaccttgn	780
aaangattta ngggaanaag naaaaa				806

<210> 2448

<211> 842

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (842)

<223> n = A,T,C or G

<400> 2448

```
tacttcgntc gattccggtg ctgtcgcttg tttttcagac ctcgaaactat gggagaaacna    60
ggaatttnga agcccagggtg ggggggtccan tgcengncct tggntcntna ncctggggccn    120
ccaaagggcc acnntttcag agggnggntg ntntcagga agtcagctnt nccnccntcc    180
nncccaggaa gngcangcng actcncctca tgatnganca gaataagaga ntcccttgaga    240
agtcntaagt ttgcntggnt ttgcagcaca agttcaaaca actagatggc accaaatcct    300
cantttatga agacatttaa cgtgggtacc catttggaac cgctcatggc cagaaaccaa    360
ccataaatcc tttctagaag gttggccttg tnccaaagtgt tttcccaaac caagtttttt    420
tttangggna aaatgccccca gctttaccta ttaaaaaaaaa attttaaccc taaaccttgg    480
gaaaataaag gaacccaggc aggaaaacan ggtccttgcaa aatantttca agaataattt    540
gnaagtatca agacaccagg antttttaa acaacctatt ctttaagnat gcttaaagga    600
aagtaaaagg caagctttta aaatttatag gaccatagga aaantattta aaacaattcc    660
agcatgtttg aaaggaagag cccaatagga atttntctaaa ccaaccaacc aaccaatgga    720
atcaattgaa atttacacca acacacaccc cacaatggga gattagatgc cttttgagag    780
agaattagtg actgaaagat aagagagaag aagtcctcga acttacctat tgcaaaaaaa    840
aa
```

<210> 2449

<211> 813

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(813)

<223> n = A,T,C or G

<400> 2449

```
nccnttcgan tccgtgctgt cgctgattat ccgaatgagt aagtagattt ctcaactttgt    60
ggatgggtccg ttacctggga tctcctatcc tccctggggct gaactaggag agtggaaacca    120
gagtcataat gaggcattctg atgaggggag gggtagggag agagagaaaag agacgtagag    180
aggaggagag agagaaggat atctcagatc tcatttttaag gctaatttga gaggagacac    240
gtagagtact tgagaacctg ggtcctggca ccagacaacc tggattcaga tccctggctgt    300
gccatttcct ggttgatga tgttgggcat gtaacttgac ttctctgcct cagtttcctc    360
atctgtaaaa taggataata gttttacctc atagggttgc tatgaaatga agtaagtaat    420
gtatatatag agtgattaga agtaaaaatt cgaggctggg cggggtgact caacacctat    480
aatcccagca ctttgggagg gcaaggcaag aggattaatt gagcccagga atttgcgacc    540
agccttgggc aacatgggtga aaccccatct ntacaaaaat ncaaaaatta nccgggggtg    600
ttggtggcca cattgcctgt aatcccagct tcttcaggaa ggcttnaagg tccgggggaa    660
ggaatggctt tgagcccca ggaanggtng gaaggttcca antgggggtcc caagaatcca    720
ncccttgggg tggaacanna aaccnaaggn ctnttggttc cccccccatt tccccccna    780
aanaaagggg agnttaaaaa aatttgggan cct
```

<210> 2450

<211> 765

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(765)

<223> n = A,T,C or G

<400> 2450

```

tnnacatcgn ttcgaattcc gtgctgtcgc cagaataagc ctatcaaaca taggtcaaat    60
ggttaaataa agaattgaaag cgtaaaagcc atagaagaat tttctgttg tcttgagta    120
gagagacctt cctaagtttg acacaaatcc cagaagctat aacataaaag actgatacat    180
ttgacaacat caaaatgaga tccacttcat aagagtaaca ctgtanacaa agtcnanaga    240
tacatgataa tctgagaaaa ataatttgga aaaaatatga taaaaggagt taattttctt    300
aatatacaaa gagcccttaa aaataaataa aaagggtcat taattgaaaa atgggcaaaa    360
ggacatggat agaaattcac agaaaagaag tgtaagtggg tcttaaatat atgaaaagac    420
ccacaacctt cttataataa aaagtacaaa tcagagctgc aataagaagg catttgtaac    480
ctatcagatt ggaagagatc aaaatattta ataatacact gatttgggtg cagtgtaaaag    540
aaaaattact ttcatacatt gctggtgaga gtaaattggat acgattgctt tggaaggcaa    600
tttgtgatat ttatctaaat tatgaatgcc catctcttag aaccagcag ttccactaat    660
agggtatccg gcctagagna accctcccat ggtccaatgt catttgcca ttattggaat    720
ccatgggaaa aattgaagga ccaccaatng taaatntccc tccgc                    765

```

<210> 2451

<211> 834

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(834)

<223> n = A,T,C or G

<400> 2451

```

cgntcgaatt ccgttgctgt cgggttttta agaagtcgtt aaacttaata tttactagaa    60
tatttgtttt tggatggcat ctaatatatt aatagcccag aaaaaaggcg ccactaatga    120
atatgtcttg gattacatag tgacatatat tagcttttcg tccacatttg ataacattgc    180
taatatattc ttttttttta ctgaagctct ttgaatttaa agttttctct catttaaatt    240
tattaattaa aaacatacct ttactctggt ccttttagca tttcaacctg atgttaaaag    300
atgtgtatgt gtgatatgtg tgtttgaaat tttactttc atcttgaggt atttaattct    360
ctgaagcagt gcatgactct tgctcttcag cctcttgaga gtgtccctcg gtttatattc    420
ctgatgatac aaaccctgga atttctnget gaagtgttaa cactttattt ccaggncccta    480
atttgatatt aatagtggaa gtccagattc aatgccatta atgacagatt ctatgttgac    540
ttnttcagat ttgccagacc ngaaaaacct cctttatgtg aaggaaaaac anttangcct    600
tttttgncta atcctcctnt ggtattaaat ggagnacctc ntttttcttc atttaagnat    660
tgaaggtna aaaaaggaaat ccagaaagg aatggatcca ncccaggtnn ttcccccca    720
agaaantttc ctcatnntta atttannaa tntnggnaaa aanggnanaa ccnaaantc    780
ccttgggggn atttccntt ttcccttaa aaaaannggg gtccgnattt ncct          834

```

<210> 2452

<211> 745

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(745)

<223> n = A,T,C or G

<400> 2452

```

cgtaaaagna aaaatctcaa gaaaacagaa atggcatgct ttacccatct tacttagtga    60
aagagagctg cagttgaaat tgtttaaaaa gtagcaggta caatgaatat tgtcacagat    120
gtgttaattt ttgaagcaat gtgggtgctg actactagta gtatcaaaaa tatgttcagg    180
attgttttga tacctgtatt tataataaaa aatgttgggg ggagttgatg aattcctgtt    240
aaaagctgtt cttgtgtgtt acatgtaaca gacatggtaa atatttgttt acagtctttg    300

```

```

ttaaacaac catgcattta agttaaagt aagtcaacaa aaaggaaata ggtgtatgga 360
tatgtgattt tgagattaaa gntagtccta aaatgtaaat aaaatgtgaa acgtgtcctc 420
agagactgtg ccatttctat tatgttgatg tatatgtaca gtaccttgcc agggaagcaa 480
aaattggaat tattgtagct tttcatgtat acacactttt atttacccta ttttgtgtac 540
ttcttgtgaa ttataatttg cagactatct cagaaaagaa attatctagt ttaatttctt 600
ctttggacaa ggagtcctag gtattatatt ttgagtttga tttcaccaga aataatanta 660
ttaaaaagat ctttgcattc tgggcagtc ttttaggatt ataggttgca aattatccaa 720
atatatatcc cattttttaa gcata 745

```

```

<210> 2453
<211> 921
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(921)
<223> n = A,T,C or G

```

```

<400> 2453
ttnnctnnnn annccgtggn ngccgaatgc ctgcaggteg actctaaagg atccccctgga 60
gccgacgcct atnnnccnna cggtnnnng tannacaggc ngtgcccgtc cattgcagcn 120
tcttaantgg gcctcnmntn ggnggatttn aaaaaaaat tccccacttg cccttttcgc 180
ctggcctttt cnttgatnng tggnggnta aaggttggtt naanngantt tgaaggncgc 240
gnttttagga cctctgccat tggnttntct gnttgangng accagnagtn nccnggttc 300
nccntttngn ccttctttac aaggccnna aagncttgnc aaaccggaat ccnttgcctt 360
tcctnnnttg gaangtnttn tattacctag ggcctgcnc ttagtaantt tatttttgcc 420
nnanccgctg gcnttttaaa taggggatcc ntctcaattt tttccctng ggtatttgng 480
ggaaataaaa aaancctttt cnaagcctan aangganagg ttggcaccan ggaccncaat 540
gtggcctgga attttggcag aangattcaa gnatgcctgg cgccgggaaa atcttgcata 600
naattttttt ggttnancct aaacccttgg aggganaagc cnttggacc aattaattng 660
gcaaccaatt nccntttttt tttcttttgt gtttgggaaa ttaaaaccng ggggggaaagg 720
ccnttttngg ggaaaaangg gccttttaaa ttggaatngg gnaaaanggg gttagancaa 780
attcttttct cnccttangg gggnggaaa aaggnaangg caanccccct tnnnanggga 840
aattgggttt tgcccttggg ggttaacccc ttneccaaaa ataangtttt tttttttaa 900
aaaaagggtt tnaaattggg a 921

```

```

<210> 2454
<211> 789
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(789)
<223> n = A,T,C or G

```

```

<400> 2454
nnncttagac ctntcgatcc cgtgctgtcg nnngtgtgna anctacntgt ggnaccntn 60
ncnaangtgt cccaacattt ttttgacctn nnancncaca aaccgggnet gntcatntt 120
caagtgtaaa ggccatggnt tgggtgctnc aagcatgaaa gcccttgggg aanatggtgt 180
ccaactttgg gtggggcccg tgggagctg aacaaancct anccattggg gagctgggtg 240
aagtcagaac aggaggactg ggtaggaagg agagacctnt ttccttata gaatgactaa 300
ncactgtggg aaatatgggt ttcaaaacca antcttgaaa atttataaac accagtgtaa 360
ncctatggag aaggttggtg ggactcaaat tcttgngac ataggtactt tcnccacctc 420
atcttctcta atggaangga aattcttnac cngatgataa aataaaaaaa tattgggccn 480

```

```

ggtaggtaaa aaaagaaaag anggttcacg cattatgtaa aaattaccaa aaaggcttat      540
cattgaaagt aaaaaataat gttttaaatc caaccacttc tccccatcac tcccttatnc      600
tggagcacc cctgtccctt ncaaacatct ttgacttttt tttttttgng acanaaatnt      660
tanctctncc ccaaggctng gaattncact ggggggagan tttnaananc tactggaaac      720
ccnccnctc ccngggttca agccgaattt tccntnccnn aacctcccn nntagctngg      780
gacnnancn

```

```

<210> 2455
<211> 1209
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1209)
<223> n = A,T,C or G

```

```

<400> 2455
ccccccacga nccgaanman gnnannnacn nngaggggng nggnannngg ggnnggnncg      60
nnngnnggac gnnncnnnnn nnnnnnnnnn nnnnnantgt cgtngnacct ttngggaaac      120
ccccnnnnnn nnggcngncn nggnnacncg nctggggggg nggcggganc gnggggnttt      180
ggcccccttt tttctgaga nggcncgag cggnnnccgg gnggggggan ngnnngggng      240
cnggacnngc ncntntnnng gcnnncnngn nagaggnnnn gggngggggc cnacanagag      300
nnngancggn ngcngggngc ncangnagg gnggggagnn ggagncgtg gatggtggtg      360
ncngcngng agcggggnncg gncnngcnan gatntgcnt gaccgccnta gnangnggn      420
ngnnnnctaa acagcgtngt angtaanata gngggggggg gcagnaatac ncggaggaag      480
gngnagggng aggcngganc gggggngngg cggcagaacc tcggncggnc ngnnnncgna      540
gnnagcnggn cctcgagtgt nagggnnang ggggcggggn anaggggcca ncaagggggc      600
annnggaagn cgnnccanggg nngnncnngg cggnngaacc cngggggcg gtggngggaa      660
naannaaatg ngngaaagcc cgaggnggt gnntaannga acnggggggn ggggggacga      720
nnacgggggg gganggggcn catagggagc acggtacagg gagnancngn tcaagnnnag      780
ngnngtngng cgccgggagn agcgggngg gaggcncng ggcggnggan agagccncng      840
gaccgaagac cgggggaagg ggcannaagg gnggngnang ganataggcc nancgancca      900
cnggggaccc cagngggng agnacagagg tagnacgnta ngggggngca acggagcanc      960
tnaggagccc cnaggnccgc gcagggtgtc angggaggnc ncaacgtng agcnggggna      1020
cgngggggng gnnccgnncan ngtgnnaaac ggnnggnnag gaggacggg gggncggtnn      1080
nangngncna cagaggcagg gngngaagca cnnngtacat nacggatgan ngatgggncn      1140
gaggggngng ngnnnggacn nccgntgngg gganaacgaag gctcggaggc ncnnncacac      1200
cgggggccc

```

```

<210> 2456
<211> 784
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(784)
<223> n = A,T,C or G

```

```

<400> 2456
nttccttnga ccttnngaag ncgcatggtt aggaagaact gttccacnta cacntgacnt      60
tggagtcagt taatngatnt ntttgagat nggcctttca acagttttca tatttgaaga      120
attanaaatg aagtcggttc anattntcca aagaacctcc agccactggn gggggacatt      180
nttaattnan attcctatca nttggtntnt cctgtccctg aaaacactga tgaggnttgg      240
gagganaatc ccacctttcc ctgcaggggg ttaggctggg cagggcaggg aggtgagggc      300

```

```

gnctggtcca aaacactggc aagggatggg aacctaactt cttnttgtgc ttctgatttg 360
cccttgacag tggttttcca ggtctgacca cctggccctt gccatgaaga ggcacctctg 420
agggacagaa aaggtggatc ctgtangcta aaaggctttc aggctganag ccgcccgttg 480
aangagggat gcgtgttcca gccaaagcat gccgttcttg cacccttacc caagttgcct 540
tccagggcct ctccttgga ngtctttttg angggctaaa aaaggctctg ttagaanccg 600
gcnatancac ccggtggtgc atgggtattg tgggtgaccc tggactcgcc actggntacc 660
ccgccccttc ngaagcggng ccctaaccct tttgncgtgg agccttccnc acttgagaaa 720
tgcttaatgg gttgggggtt gaattggtat tgttgaagga atcttattac ttgacccgaa 780
tgat 784

```

```

<210> 2457
<211> 1538
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (1538)
<223> n = A,T,C or G

```

```

<400> 2457
ccccggcggg annngnangng cgngnngnann gngnaannnn gnaggnnnngn annnngnnag 60
aggagnnnga nngcgnngcg nnggnngnnn ganngagggn ggaagagggn gaannannan 120
ngnnnnnnnn nnnntgtggn taaacccttg ggaaancccn nnnnnnnnna ananagagcc 180
cggagngcgn gannagannn nggggaggng gggannnnac nnantttttt tnnnngcann 240
gcnnngaggg gganangngg aggantcgng gaggggnngg gngcagatgn tntgnagngg 300
gganagagga ggnnagnnga ggggaggang cngggagnaa tgaggngggg nangngngng 360
ncnngcccag ganngggggg gggggganac gngggngann nacgnnggan ganggggcag 420
gaannggang acngacggc nnacggacgn ngaagggggg gncncgaag cacngngggg 480
agcgnncgag angngtgcn agnggancgn ngaagagang ggacngaggg ggngaagnga 540
gggggngnnn nnagngngg ganaggacan ngacnnaggg agggnggatn atnacgnnnn 600
agcgcanaga cgaagngana cgcgngggna naggangcnc ngngaggggg ngngnnaaan 660
ngacgnana cgggacgggn nccgnagngn gngaganngn aggnnggagg aaagggan 720
ggcgggggag gggaaggggg gggnganggg gnanngnaan gggggagggg gggnganng 780
ggangggnaa nggnangaaa gnacnaggg gagggnaana angggancaa gggcnnagg 840
aangganggn gaannngntng gnacngnga ancaagagcn annggaggg acaagccacg 900
ggaagaggaa ngncgggaa gngngggcg nanggnaagn gtngcgann nnancngagg 960
caggggtcgc gnnngngngn gngacgggt nngaagnaga cggnganac gngggnacgn 1020
tganngnaan ggtacggng ancggaggc agnngagggg angcnaggga nggngacgn 1080
nangagancg ctcgatcgt gaanggcngg gaagagnggg gcgggtnagg gangngang 1140
cnacgcangg ggaacggan nggnngngat agnanagggn acgcgangnn gggcgcana 1200
cggnacncgn angcggacgn gganggaagg ggggagggan gngnncngc gggtnagccg 1260
cnngngcgna ngnggggng nggaagcgg angcgatngg gatgggcacg tacgggaagg 1320
ggggaganac ngaangnan gngggagggn gcgggangga nggggacng aagngaagcg 1380
acggcnggga nagnctggg cgcgaagngc gggaagngc ggatccnga angncacggn 1440
cnnngcnnag cncgnagnac gannaaggcn gtgtgtangn ncacacggn gncncggncc 1500
acgggaccgc naaggnacgg agggacgcga ntgnnccg 1538

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```

<210> 2458
<211> 786
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (786)

```

<223> n = A,T,C or G

<400> 2458

cantttannc cctttcgaag ccnttgctga ngancctccn actcatatca ttgtccctat	60
ataactgagn gtcancagag ntntnaggtt nggccttngg gatnaccttc attttccagg	120
gtctggccct ntgcncctca nccanagnnc aacctnntgt tancagctgc tactaagtct	180
ntatgcccat tcgttnatnc cacaaaacag gcntctgact cctctggnc aatggaaca	240
aggcactngn aanaggcngg ggggtccacag gcncaggggg cttcactctg gaacaggata	300
nctgggggtgc agcgggatgt antcctcact taatcaaccc acaccccanc ntccctgag	360
ctttctctaa atctcattct accccatctt gactcttcgg ttaaaaggga gttctcattt	420
ggagaatttg tctctgggat taatgaagtg tatgcctagc tactttctcc agttactttt	480
agaccatatt gttgtttggt tttgaatatc attccttang ctatgttgag aagtagagt	540
gcttccatta ggagaactaa atttagggca tgtcttttgc tgaatcccgt cagcatattt	600
aacaaaattc ccaattctan annaattttc ccttttatnt ctcttaagta cccttttgcc	660
angggcttct accacatcaa aaggnggttc atgnaagtaa tttggccaaa aggaaaagaa	720
cnagttaatt gaccacctaa caccataaat ggaagtggat taagttantg gttccaaggc	780
cattgg	786

<210> 2459

<211> 746

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(746)

<223> n = A,T,C or G

<400> 2459

tactcgntcg antccgtgct gcgcaaatct ttgcccttct aaagcccaaa aattactatt	60
ccggatcata gatngtttac tgcgtgccaca tgcagnttn cagcaagaga ngganctgcc	120
tgcacctatg ttgtcagcaa ttcanaaaag tcttcccttg tatctccagg gcatgtgtat	180
cgggtgttgt caatctcaaa atccgaatgc ctatttgaat caattgctag ggaatgttat	240
tgagcagtat attggcgcat ttcttccagc ttcaccatat gtttcagatc ttggacaaca	300
tcctgttttg ctggcattga gaaacacagc cactattcca ccaatatcat ctctaaagaa	360
atgcatttgy caagtcataa ggaaatccta ccttgagtat aaggggtcct cacctcctct	420
dgcttagcat ccattctggc cttcaccctc caactcttca aggaaactaa cacagacatt	480
tatgaagtgy aactactcct ccctggcatt ttaaaatgct tgggtgttagt cagtgaacca	540
caagttaaaa ngctggccac agagaacctg caatacatgg taaaagcctg ccaagtgggg	600
tcagaagaan aaccttntc cagctgactt ctgtgtttan gcagtttatn caggattatn	660
gnatgaggtc tattaccagg gttacagcat tttaaaaaca gtagccacat tggancnaca	720
ggtggncatc cacttgattc tancct	746

<210> 2460

<211> 781

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(781)

<223> n = A,T,C or G

<400> 2460

nnnnnttgac cttcngctg ncggctctac gatggagtca aggccagatt gggctctatt	60
tccacaaccc cctanggagt ttttnacnt tgccttaagn ggctgtttcc tggngnancn	120

tagancatat	ttgctgtcnc	nctgggantn	ccaggganaa	tctnatgctt	ggncagagga	180
catgatcatc	ttntgtttg	taacctcggg	cctggaacag	tctccttttg	tgttcacttg	240
attctgaaag	gtcagtggtt	tanaacaggc	ttttcacatg	gttcaccagg	aggccagtta	300
gatacctgtg	tggaaagggc	aaactcatgg	cancccttct	gctttctcaa	ggcaggatgc	360
ttgcaagggg	cagtggagga	agaccggtgg	acaccgtgga	nggagaacaa	aanggggagc	420
cccaggggca	tctgcagcca	ngtggaccgc	ttcagccttc	tggcacacat	ctgtttggct	480
tgggtgggan	gtatgaaggg	cgcanatctg	aaaaccaagt	ggtgacctag	ggaggggaaca	540
agcgctgtgc	agcattgatg	aaacttaaaa	gatgaagtcc	tggtcccnng	caccggtggc	600
tcacttctgt	aattccaaca	ctttgggaag	ncnangcang	aaanatngct	tcaacccccg	660
accaaaaaaa	aaaacccaaa	antttanccg	gggcccnggn	gacattgtnc	ctttagtctt	720
aanttactcn	gggaggcttg	aggttnggga	aaanaatttt	nanccttggg	anggcaaaagc	780
n						781

<210> 2461
 <211> 753
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (753)
 <223> n = A,T,C or G

tctctnccgan	ttccgtgctg	tcggnctttg	gttgctgttc	tttcctagac	tcttcagaaa	60
aaaaggaatt	acctnncann	gcttaagag	gtngtaaata	caanccaata	cattttcatt	120
ccanctgcnt	ttcatgcttc	aaagtaangg	ctgttancca	gaatcactng	tgaagcttta	180
tcncatatan	cattctgtga	tcttattccc	tgtaaaccce	tattcantag	tcggnctgtg	240
atgaaatccc	aggcntcttc	nttcagggtta	aaaaaaaaat	ntntntgtct	ncntgaaatt	300
ctggatttcc	ctgttgaaaa	ccagtcttaa	ggtanaggca	ttctgcagtt	gtncggaaaag	360
taagggaaac	aaagttaaaa	tggaaaaaat	tgaattaaga	ggcagaagta	atgaatttga	420
tcattttgtc	ttgocnctca	ttgttagacac	ttatttttga	tctctgtaaa	catcagctta	480
ttctcaaagt	atgangnctg	aatacttgct	tgnggggtgat	catctttgtg	tagaatagaa	540
aagacaaaag	aggaccnggt	gcagtagctc	acacctgtaa	tacccggcnc	tttcgagang	600
cccnaggngg	tagaaatgct	tgagcccagg	aatcaagaac	agccctggnc	aacatggnga	660
gaccctgtct	cttctggaag	aaaaaaannn	nnnnnnnnnn	nnaaatccn	ggggcccntt	720
tntcnggnnt	ncccncttt	aaaaaancct	tgg			753

<210> 2462
 <211> 747
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (747)
 <223> n = A,T,C or G

atgtcnttcg	natccgtgct	gtcgtcctcc	tttatgagaa	aagaaataga	ccctgataga	60
tgaagctata	aagttctata	acatntcttc	attgaacgtg	tgattttttt	taaagtntaa	120
atagcntatt	catatttttg	caaattgctt	gttttcagta	cncagcgttt	tgagagctgt	180
gtatgttaat	gcagttgact	cccgaacagn	gggtttgaat	tgctcaggcc	cacttatacc	240
tagcttttat	tcaaccaaac	acataatggc	cagcatatat	gaggagctaa	cttttcatat	300
gtgtgggtct	cacagggccg	actgcaggac	ttgagtatgc	atggatttgg	ttatatgtgg	360
gtggtcctag	actagtctcc	tatgtgtgcc	aaggacagc	tgtacatgtg	ggcctaatec	420

tttcctttta	aaaatttatt	tgagatatca	tcattcatat	accatgcaat	tcattcttcag	480
tggtttttaa	atatttacca	agttgtggcc	cggcatgggtg	gcttatgcct	gtaatcccag	540
cactttggga	ngccgaggcg	ggcagatcac	gaagtcagga	gacgagang	cgctgtagt	600
cccagctact	cnggangcta	aggcaggana	atggcgtgaa	cctgggangt	ggagcttgca	660
ntgangcgan	aatgtaccac	tgccttcanc	tgggcgacag	aacaagactc	atctcaaaaa	720
aaaaaaaaat	ngccagcctt	gnggctt				747

<210> 2463

<211> 732

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(732)

<223> n = A,T,C or G

<400> 2463

ttntgacgcn	ttcgtgctgt	cggectnate	cctntagaca	ggactacaat	tggcagctnc	60
cnattacctg	natgtggang	ganacttttt	ttactntgcy	tggtctggcn	tnagegtgca	120
tctggngcct	tgacntgat	gtcacatnc	ctnaccctnn	ctnngngtc	aaacaatgta	180
ctttncaggg	tgmnantnnt	ctccatnnct	attngaagt	gctngaaaaa	ngcnannttg	240
actcttntga	cgttggatnn	aancnncnaa	tnanccctcg	agtnnttcaa	tgatanctga	300
cnaactaaat	tatttcccta	taaangaana	tgacatgagt	gntgtgtggt	ttgnctanac	360
nactgcattt	acagcttttt	cagggntant	cgnagcactg	nacgttcaga	tgcatnccaa	420
ntggtgcatg	ggtcctaate	acacatataa	agctggntac	canctttggc	ncagcactgt	480
natctggnc	ancaactgtg	gtaannacac	atgtaanatg	cnttttnaca	gctgatactg	540
tttcagacaa	acccttnatg	caaaatgttg	ctttagattg	gcncctttttg	aanatatgcn	600
acaaatatgn	gatgngatgc	cgganggneg	ttttgtctta	atgggaaant	ttaantcctt	660
gtgacactta	caggttcttt	gagacatgac	ttngnaagga	tgggcctatt	tctcctntga	720
atgtcatagn	ag					732

<210> 2464

<211> 821

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(821)

<223> n = A,T,C or G

<400> 2464

tatnttacgc	nttngtctgt	tcggggggat	caggatactc	ctgctcacag	acacccatct	60
ccccctacca	aaaataacgc	tggtctcttc	nttccaccct	gactntgcct	ntntgtntgc	120
aggancctgg	tcggggngct	ccacaaaagc	tgngcctggg	ctnngggagc	aaggccatgt	180
ccntttcccg	gccagggnan	acggancccn	tccacagtgt	cagntatggc	catgtggccg	240
cctgccagct	aatggggccc	cacacntgg	ccttgagggt	gggananagc	cagntcctcc	300
tgcaaagccc	ccaggtggaa	aaaatnatgc	agctggtgaa	tgccactctg	gcccaaccct	360
cccccgagag	gccctgcaga	agnttttttc	ctccatgcc	agacctgcca	gacacctccc	420
ntccaagcca	gcgcccggcc	tggaacnagc	caaggacaag	tctggctgnt	tggggcaact	480
tgaggactg	agcctgccaa	gaggtcacga	cttccctctt	gncttcagcc	tgggccanga	540
ctgctctgag	atttgangga	aacatggacc	ctttttggnc	cttgaggggg	acangggcac	600
attccaacaa	ccnaaggct	tacnaatngg	gggtgtgggt	aaatttttct	aagtttggtt	660
tccttnaaat	ttaatttggn	aagaaagaaa	aaacccaaaa	aaaaaaaaaa	aagntttttt	720
ttttttttnc	ccccaaaaaa	aaaaaaaaaa	aaaaaaaaaa	attttttttg	ggggggccgn	780

tttttttttc ngggnnaaan cccccaaaac cttttaanaa t

821

<210> 2465
<211> 921
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(921)
<223> n = A,T,C or G

<400> 2465
ttancnaacc cttttccaag ccggggggcnc gatcttaagg acagtcgctc cctgaacgcg 60
gagccggagg agacgaaggg aaggtggntt ngacgccacc cgcgcaccgg gcaggcgcgg 120
agaccggcgt gggacagcca cctggngcgc agctgccaga aagaaggact ttgctgcttt 180
gggccaggat ctgaacttag gtgtaaacca ttgccctngg cagaaggga cctaccccag 240
tccattgctg gcctgtaca agaatttga aacagtaatg ggcacaatat ttttgggtta 300
ttgaattcac tcaagtggga ctggtgggaa ttggaaatgg aaactggtat tcccattccc 360
ccaatcaatg aatggtanca agaaaacca aggtcttctt ttcaacttaa atngggaaat 420
tcttcaactt cttggttggc ccccaaggcc ttgggaagtg gccaaatggg gtgcccataat 480
cnttngggct tttactgggn aacccttncc accttaccat tgtttcaaag ncaaattctt 540
cettggcctt caagccctcc ccgaagtagg ttnggggnact tacangcacc gttgcccacc 600
attgcccac ttaaattttt ggnatttttt aattaanaaa cnggggtttc ncccatattg 660
gncaggcttg gtctcaaaact ccctggaccc tttatgnatc cctnccacc ttgggccttc 720
caanggggct ngggaattac aaggcgtaa accaaccggt ttcccaaacc cctggggntt 780
aatggaattt cctaaaaaca cttttttaa atcaatttct taaaaaaaaa tttntnang 840
gnggtttggt anaaaaattt aaaagggnaa aaaaatccct cnannaaata nnttttgna 900
ncattcatta aaaattggcc t 921

<210> 2466
<211> 773
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(773)
<223> n = A,T,C or G

<400> 2466
ntactnttta ccacctttt ctntccgttc tcatggctat ggctaaagt taagagggtta 60
agcctccttg tacaagctca tgtaagattc ttgcttatgt ccgtgnacta ctcacatctc 120
aattggccaa aacaatgccc aaatttgcca aagtcctatg atgggaggga ttgcaatggt 180
atattgaaaa aacttgatca tagaaggggg ggagattgga ccagtcattc acctcccat 240
atcttgccag ccattaatat gaatacatat tctatttgat attaattggt atctcctgct 300
catgagacag ggcttgctcc ctgttacttc tttcctcant gtctgtctga gtgttgctg 360
tcttggaatt atanatatca tttgaagtat tgggttgata ataaagaatg aatgagccc 420
gcatggggtg catgcctgtg atcccacact tttggaaggc caaaanggtg gattgcttta 480
actcaagggt tcgaaaccac tggcaanggg gtgaaacccc catcttgcaa aaaagcccat 540
tattaaccg acctggnggn gcatgcctgg nggnccctgg ctaccncaag gaagctttaa 600
ggtngggaan ggttcatttt tgggnccccc gggacaantt gaaggcttta aaattgnaat 660
tcttttaanc catgncccat ttggcccttc caancntng ggtnaaaaaa gggggnggag 720
aactntttt tttnaaaaan naaaaaaaa annnnnnnnn ttnttcnnnc gcn 773

<210> 2467

<211> 644
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(644)
 <223> n = A,T,C or G

<400> 2467

ttactantga acnccttttc tnananacgt gactcgggtt cctctagaaa anncagtgagg	60
cngantnaaa ttccaaaggc annngggganc tggaggaagg ccttaaccag ggnccggcggc	120
ttggtaaggt ttgtaggagg actggntgca ncaaaggcag gganaccagt gtggagtntg	180
ntcancaccc cactgggaag gtggtgatcg ccgtgggtgat nancagttnt tggtaactgc	240
ntgtgaggag ggtgacaggt caggacttta cctcaggaaa ccctgtggat ggtggagggg	300
aaaatcanct ggttttggtc cgggtncctt tgagcanctg tgaagacctc caggacagtc	360
ccaatcctgg aatgtcttga ctaaccagat gcttanactt gggctcttct caaccgtctt	420
gggtacaatc tgactctcca ctttcttggc ctcttggtt tanttgctta ttggaaatgg	480
gcattttatc agcagncgtg atggatacta tggtcangac tgtaccact ntctcttaa	540
tatcaaacia aaagtattac caggacttta tatgctactg ctgggtntat ccaccatcat	600
aagtaatgaa atnttactag attaacactg cactagaacc tttt	644

<210> 2468
 <211> 1127
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1127)
 <223> n = A,T,C or G

<400> 2468

ccccccccc ccccccccc nnnnnnnngnn nnnnnnnnnn nnnnnnnnnn nngcgttntg	60
nctcgagcgn ggcgngcngc ntctcnntgn nngggggggg ggggggtttt ttntttttcc	120
cgnngngnng gngggggngg ggggggggcn cgcggggcgn ttntttnggt gngggcgggg	180
ncgngnggcc gccggggncn ccgcggggng tgnccngggn cgcgngcgcg gncnccgggg	240
ggngngnnnn nngggcngng ngggnncggn gnnngnnnnn cgnnnngggg gnggngngcg	300
ggngnncggn nncnccggnn ngncgngggg nnggggnncn ngngngggcg ggnngggggg	360
gggnnccngg ggggggngnn nngcnnnnnc gngggggggg gggnnnnncg cggnnncngn	420
nnggggggnc cncngnnngt nngngngngg ncngnncccg gggggcngng ngnggncenn	480
gngnnccggc ggcgngcggc ngnnnnngcg ngccgncctn ngccgtngnc cccgngnggn	540
gngngcngcg gggggngggc cncnccngt cncgngggg gcngnggggg gggnnnnngc	600
ngngngngcg ngnnnccggn gncgggggng gnggggngcg gcccccggg ncnggggceg	660
gcgngcnnng ggcgctggt gggngggcgn gngngccgc gngngngggg gcggggcggn	720
cnnngngggg cgcgnggntg nggcggggnc nngngngggg cgcncgnggg gggacngnc	780
nggcgngggc gngcnggggn ncngcacngn gnggggncng ggggggngcn ngngggngg	840
ccgtggggcn ctncgggngc cngcngcng nggggggnc cncngggnt gngggggggc	900
tggcggggnc nnncccggn cncgncnnng ncgcccgg nggcnngng ngnggccc	960
gtncgcgng gtggggntg ngngcngcc gngggggccc gggnggcgtc gngnggngn	1020
ncngttcgcg ggggcggng ngngcngcg cntgggngng gggngggngc ntgcncngc	1080
ngnctggng nggggtgnt gcccggcngg cgcnggggccc ggtccc	1127

<210> 2469
 <211> 1109
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1109)

<223> n = A,T,C or G

<400> 2469

nacctatcga	cgttctcagc	ngnagccaaa	acgtcgactc	tagaggatcc	caaggntccg	60
ggtnngncc	ccccccgnt	ttttctcttt	tactgggana	catgagancn	aacangggan	120
atagggncnn	tgggtccata	gccaatngna	tncaatgtgg	gtgcccccat	cctccnngnn	180
gntagtcttn	tcnccanana	ggaacccgan	ccagcttggg	gnnanntttt	ggctctccta	240
cacgctngtc	gtnnntttta	ncctcngngc	ntgaagggaa	agtantgatg	gangaactng	300
tgngcatgat	aacaaagntg	cangaaaaat	catnngccnt	actgtccnct	tgantgtaac	360
aancntcntt	nttacntgtc	nanantncac	ccnggaatgg	ncntngnccc	tntgcgtant	420
gtgggnnnan	ttncaaaacc	ccngntncnt	ancttactnn	cantantngc	cccacctgga	480
tnnngcatag	ggtttggng	aagacctnna	ccnnataatt	gtnnacnact	gnaaaaantg	540
gtgaccantc	gntcctnggc	cnnaccctaa	ctaanaacntc	tactatnctt	cgnanaaaaa	600
nnentncttt	tntattangn	nttntagatn	ntatgaacct	ncncccttgg	ntagnctntn	660
acntaaataa	ntntattgtg	ccangcncn	tncngntgna	angccantna	nantanaaaa	720
ccantgtctn	aantcagaga	cacnattttg	ngcccnnggc	tgaagnaaan	aanncttnat	780
tnngnttcac	nnggatanta	gtntttttta	taataanacc	ncnagaanct	tntntgccta	840
atttaacntn	tactntnana	taaaangnnt	acaccgntat	nanccttgnga	natataaaan	900
nacaancnnt	ggnatntatn	ctnancnccc	tagctcataa	aacnctannt	ancngtgngg	960
atnatantan	aacnngnggc	tctcncnta	nattggaaaa	accantggtn	angcttttgg	1020
aantcttatt	tatagtnncg	tacgnanatg	tntaccnnat	gncncttnnc	naaaanaact	1080
atagtnnctt	cntcttnntn	ganatnang				1109

<210> 2470

<211> 782

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(782)

<223> n = A,T,C or G

<400> 2470

tatttttaacn	cctttcgant	tccgttgctg	tccgataggg	caatccaaga	gacatagtcc	60
taaccccaga	gtagcatgta	atcccttctt	agcatccctc	tttgaaaact	gaagatagta	120
cagctgaggg	aactgaacag	gttcccagga	tcatagagaa	tcattaagct	gaagcaaaca	180
aacaaacaaa	caaaaggcaa	actagaagaa	aagcaggatt	caatgggttc	tgacacctct	240
tagtctatca	ttgctttgta	aacattctcc	ggttttacat	tactacagaa	tatggtccag	300
atataaagtt	ctactgtgtc	ataagacagc	tgattttcag	aattcgtgac	tgacagaaaa	360
aacaattttg	gattttaactg	gatacagtaa	tctgaggaca	actgcagttg	tcaacctttt	420
cttccctttca	ttcaatgata	aaagatncaa	aaagtgcacc	agatgtttct	agctatttgt	480
ggaatgaagg	acatataaat	aatttttttt	tttttttaaa	anacagattn	tcactnttgt	540
cncccaggct	ggactgcagn	ggcacaaatc	tggtctactg	naacactntt	gccttccagg	600
ttcaanaaaa	ttnttgngcc	ttancctncc	cgagccagct	nggggagtac	anacccttgg	660
nccccatac	cccgggttaa	ttttttgggg	ccnaaaatac	ccncattngg	ccngggccac	720
ctttttattt	aanaaaanat	tggggggcaa	cctnttgctt	taaggacctc	ttgggatttt	780
tn						782

<210> 2471

<211> 748

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(748)
<223> n = A,T,C or G

<400> 2471

ntnnnttacc	ancgntcgan	tccgttgctg	tcgataaactt	tttactcata	tcattgtccc	60
tatattagta	ttaagagcat	tttgataaaa	acttcatgtg	aggatctcaa	ttctttataa	120
ttctcttcaa	agcaaggaag	tatatataga	gagaccttta	tttttttagta	attttttcaa	180
atgggttggg	agatcttatt	ctagcccaat	tctattctgg	cacttaatta	ttttctggtg	240
gcttgtaata	tggtaaatac	tggtattccag	attgcattcc	tatttccttg	ggagggtagg	300
atactcccat	ttgtacaaga	acttaaaaca	gccccaaatt	attggtttac	tttgatctga	360
taagttttga	ttgtggtgat	gtctcttaat	accgaatggg	gctacaattt	taggtctgtg	420
aaattataaa	tatcagcatt	ctgactaagt	atccagaggg	agatgaactt	ttaggatcat	480
aattttcctg	tgctatatgg	attttaattt	ttccctagtc	ttcactttct	gttcagtaat	540
tttatagccc	tttggaagag	ctttatttga	gaggctgtgt	cttatgttga	aactgtcttc	600
atcgtgcaaa	tatgacceng	tttncctgtg	agtcttcata	ggtagctatg	acaagtacct	660
ttncctatcaa	ncaccttctc	aatgnccgaa	naactgtagc	atcagcttat	gtgggtgcta	720
ccccctggnc	tttaattcca	tatttccg				748

<210> 2472
<211> 748
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(748)
<223> n = A,T,C or G

<400> 2472

tgacntancc	cttccgaatc	cgttgctgtc	gaagggttgcg	tagctaataa	gtggcagaac	60
tgacatgcaa	aaccagtctg	tntgccccnn	nagatgcatg	ttctttacca	tcacgtaggt	120
caggccagga	tgtcaaggag	agcaaccccc	aactagtcct	ggtgatttag	actagagcgt	180
ctttcactgc	tgtgattcct	tcattggcac	tttcttccag	ttgtacaagt	gtctgtcttt	240
gcttggctct	tgcttgttct	acccttagtt	tagcagatat	ccctctctcc	atgaacaagg	300
tgagtgaagt	ctttttctga	gtacatttgg	tttttcaaaa	tccctccaag	gaatcatttc	360
cttgaccaa	tgccctcatc	tgtggtggcg	atcaacatct	ttgattttac	cctttttttt	420
ttttttaaan	ttgaaacaaa	ntctcccttt	ntttttnagg	ctggagtgca	gnggggcaat	480
nttggtctcan	tnacctccn	cctccagggt	taaagnaatt	ttcctgcctc	ancctcccta	540
aaagcnggga	ctacaggngc	ctgccccac	accagctaa	ttttttgttt	tttaaaaaan	600
aaaaaagngg	gtttcccat	tgttaaccag	gntgggttaa	tcnctgacc	tngggatntg	660
cccccttgn	cncccaaaag	ggctgggatn	anaggngggg	gccaccatgc	ccggncaatt	720
tncccttttt	ttaanggccg	gncngct				748

<210> 2473
<211> 1198
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1198)

<223> n = A,T,C or G

<400> 2473

nnnggnagnn ntannnttat ncgcgannnn gnnnnaganc gngnnnnngnn nnnntggan	60
nnnagnnnnn nnnanggnnn nnnngcnnng nntgggnann nnnacgnngn gngtgngctc	120
gggaggngan nnnccancgc ggngntggtg agangatggt annnnnnnna ngcaannnct	180
nnnnnnnnnn nnntagannt tngccctttg gngaaagncg nnncaacnta ggagnaannng	240
nacanngacc ccgntggang gctncgggng acgnaggggn gctttttttn ttttctnecg	300
gagnanccnc nggggggngt ggagcagngn nangnnctcg nnagnttgga tnngannnnng	360
gngngngacc ggangggtna ggngntgnaa nncgntgann tgtgnnnctn acaagggagn	420
ngagnanagg nngngnncac gacacnnnnn ngngagnnnn ggnnnnnnang nganangcng	480
gncgcgggga ccnngnngag ncngcngagn ngatagaaga ntgcngnnaa gnnntggngn	540
ccgngngggn acgcgngggg naaggcgngg gngngcgcg nntngtgggg agtagnaanc	600
cgagatnnng ncgacngcna ncncnannng aatgngcagn gnggtgggna ggcgagtgc	660
ggcnnccgan nntacggggn nngggngcac gccacgacga gannatngcc angncgaaca	720
ggaactngtn nannncngng acgnngaagc gnnagtagan ngnggngggn natnnggnt	780
gnnnagnnnng gagngcgcn gtggcangag ngnnacngnc gnacncggga tgggngtgn	840
gtggncctcg aagancgcga gngngnggtn agnnaganntn gacgcgnga gnnngcnnnn	900
cggagnangn gcagcncgga cncncngcn aggacnntng atcgntcncn nggngaang	960
cgnngaaggc ncncgantnt ganaggcgan angnncngga tggnnnnnaa ccgtgccggn	1020
nggggnaggga ngnnagtagn gacgnnaaag gaangngag ganannacga gagcgaatgn	1080
gaatgnnctg gtngatgagg ggnagggagn gnannngngg acgagtgnn tgnggacgcg	1140
caagctgnnn gacnncagag gggannngtn gggccaatnc gcgngcagc gtgangcc	1198

<210> 2474

<211> 767

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(767)

<223> n = A,T,C or G

<400> 2474

ttctgacctt ttgcgaagcc gntgctgtcg aaagaccaca agtttcagag catggagaca	60
ttcctgctga atcgcccttct cacctcctnn gcaattgctc attctagggt tgggcatcat	120
agttggtcag tcttaattcc catgccaaag gacaaacagg tgtgacattt ggatagatga	180
atactgggat tggctctgga gcatgtgtt tgagtgaac cttgcagtcc tttctctacg	240
cccgtggatt ttgtggaac actttgcaat ctctttgctt ttttttttta ccagaactag	300
ttacattgga atgcttactg tcctacanag tggcagcaaa taaaaccttg cnttccatca	360
agccaaaana gcacactctg ttagaggana tacatgttta agatagaatt ggngggaagg	420
acaaaaacag aaaaatgttt ggcttttaan ccattgggta gtattgtttt gatgatctta	480
naggagggaa naanaaaaga aaagacccaa tgntagaacc agaatacagg agatgactga	540
cctactgaaa aacagggtccc ttgtntttan gatctttaan gggataaaaa agcaaacatg	600
acttttgcnc ctaanaaaaa ttctgcattt ctcatagttg gggcccaatt aaccaaaaaa	660
gttggtttttt aaaaaaaat actgggtcca ttctaaacca tgattttttt ggggaaacta	720
atttttttcc ccnttttgcc aaaaaccagt cctttccaaa attanct	767

<210> 2475

<211> 1000

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1000)

<223> n = A,T,C or G

<400> 2475

ngnnnnnggn	gnnggggnnnn	nnngnnnnnn	ngnggggnngn	nnnnnnngng	gnnggggnng	60
ngnnnnnggn	gnnnngnnng	gnnnnnngng	ngnnngnnng	nnngnnnnnn	nnnnnnnnnn	120
nnnnnnnatn	ttnnngcnc	tggaagncg	nggggnnnnn	ngggnggggn	gggngngnt	180
ngnnnnnggg	gggggggggg	ggctgttgn	ntgttttct	cnnnnnngng	gnngggggga	240
ggggncngc	ngngtncnn	nttcncngn	gtcggggggc	cgngnggggn	ngggngggg	300
ggngggggng	ggggggggng	ggggggcagn	ggggngggcg	ngngnnngnn	nggnanggg	360
ggggngggg	ggngngggg	ggnnngngn	ggggggggag	gnnnngnggn	ggnggggggn	420
ggggngngcn	ngngngggg	nggggggggn	ggngngggag	gcnggggggn	cgngggngn	480
nagngcngc	ggggnggggn	ggnggcngg	ggngngngg	ngggggngg	ngngggngg	540
ngggngggg	ngnnngngn	ncngngggg	ngngngngg	ngggngngn	ggngggngg	600
gangggnggn	ggngngggg	ggngngngg	gnngggggg	ggggggangn	nagggnggg	660
ggngngngc	gangggngg	ggggngngc	cgggggggg	ggggggngn	cnngngngn	720
cgngggggg	gangggggg	ggngngngg	ggggggngc	gnagggngg	gggangggg	780
ncccgnggg	ggggggggg	aggggcngg	ggngggggg	cnngggggg	ncccggggg	840
nnnnnnngg	ggngggngg	gcggggggg	ncnggggnn	ggggggggg	gnngggggg	900
ggggggcg	ggngggngg	ngggcngg	nnntnggg	ngcnnnggg	gnngcgggg	960
nganancgg	gnngggngg	ggnggcgcg	ggngngngc			1000

<210> 2476

<211> 882

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(882)

<223> n = A,T,C or G

<400> 2476

ttatnttaac	cccttttcga	attccgttgc	tgctgaaaga	atccacactg	cccaggtcgg	60
ggagcagtgg	tgccagcag	ccctcagga	tgannaggg	tgtaagagg	tatgaacagg	120
agcatgctgc	tatccaggat	aagctcttcc	aggtggcaa	gagggaaaga	gaggctgcc	180
ccaagcactc	caagcatcc	ctgccacgg	gcgaagcag	catcagccat	gaggagcaga	240
agtcagtcg	gctggccagg	gagctggaga	gcagagaggc	agagctaaga	cgccgtgaca	300
ccttctacaa	ggagcagctg	gagcgtattg	agaggaagaa	tgctgagatg	tataaactgt	360
cttcagagca	attccatgag	gcagcctcaa	agatggagag	cacaataaag	ccccgcaggg	420
tgagagccgt	ctgctcangg	ttgcaggccc	agattctcca	cttgctaccc	gagatcgccc	480
cgcatgaagt	gcttgcttgt	gctcggacct	tggtcaangc	attaccaacc	cttgctgtaa	540
gcgcccgc	cacaaaggc	ttgaaggaa	caaaacattc	aatttccctt	gcccttgccc	600
aatggacttt	gggaancccc	ttgaaanaaa	gggganccaa	ttcattgggg	aanccacaaa	660
cccacttg	gccccttgn	ccgntttt	cttgcttngg	ggccccctt	gccattattg	720
ccccccctg	aaacccttg	ggggccttgn	cccaccgttn	nttttaangg	aaaaaccaa	780
aagtttttgc	cnccttacct	tgcttcttgn	aaaaaccaa	anttnaaagn	cccnnattgn	840
ccccttttgg	ntttttcnaa	aaaaaaaaa	aaaaaaaaa	at		882

<210> 2477

<211> 769

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(769)

<223> n = A,T,C or G

<400> 2477

ttacttttaa	accctttcga	ntccgttgct	gtcgggaactg	tttatcttat	cctcctcagt	60
gatacatcat	gaagtgtgt	gctttgccta	aaatgcccag	ttacctgaaa	ttgtataaat	120
tcttgccaaa	agtgtttgaa	cttaatacaa	acttcccac	tcttacctct	tagcactgtg	180
ctcatcttga	ggggacatag	tccaattttt	gtattttata	taatactgtt	agtgaatatg	240
tgtagacttc	atatggttgt	gggtaagaga	atactgcatt	cagatagaaa	agatgctata	300
tagctaagtt	gatccaggat	ccttgggcta	cctgctaggc	agcttgtggt	gaacaatcat	360
aatctctaaa	aaataccttg	tctggaccgg	gcgcgggtgg	ctcacacctg	taatcccagc	420
actttggcag	gctgangcgg	gccggatcat	ttgaggtcag	gagtttgaaa	ccagcctggc	480
caacgtgggt	aagccctgtc	tctgctgggg	atacaaaaat	tanccaggca	tgggtggcaca	540
tggctgtggt	cccantctct	tggggangct	gangcangaa	aatcctttga	actgaaantc	600
aaggcggagg	tgcggttaag	cccaaaatcc	accatttgca	ctgcancctg	ggtgaaaaaa	660
aacaagcctn	cctntcaaaa	attaattaat	taattaattt	tttnnnaaaa	aannnnnnnn	720
nnnnnnnnnn	nnnnnnnnnn	nnnnaaaaat	tttnccggcc	cctttttcn		769

<210> 2478

<211> 780

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(780)

<223> n = A,T,C or G

<400> 2478

cttactttta	anccttttct	gaatccttgc	tgtcggcagt	agggggagtg	gggaagggac	60
ttctgcatca	gggcatagca	tatgtttctg	agatnactgg	aagaagctag	cagtgccagg	120
agcctaaagc	cagctcactg	tttggctcgc	cagtggagca	ggtacagctc	acagtcctca	180
agccagggaa	acctggctga	cttcacttaa	agtcaagcaa	gcctggctcg	cctcgattag	240
ccaaggtgtg	gactcttcct	ccaaagccca	cctcagccca	cctctgccag	ggcagagaag	300
ccaaaatggt	cacattgcag	ccaaaatggt	cacacccttt	tgctccagan	cagaatactg	360
cctctcagtc	ttccaggtgc	ttgaggataa	ctgggggctt	catttaagtg	catattctga	420
ttctgtangt	gggggtggga	actagattca	gcatttcttt	cttttctttc	tttctttttt	480
tttttttttt	gaaanagggt	nnaanttttt	cnccaggggt	ggagnggagg	ggcccaattt	540
tannttnaaa	naaaccttcn	ccttttnggg	ttnaaaaaaa	ttnttcccc	ccanccttcc	600
caaataattt	gggnaaaaan	gggtttntcc	cccccttcc	ccancnga	tttnggnttt	660
tttggggaaa	aaacnggggt	tttnccatt	ttnaccaagg	gtngtttnaa	aactctgggc	720
ccnaaaaana	ttngcttctc	tnggcctttc	aaaaaagcng	ggattanccg	ggngaatnn	780

<210> 2479

<211> 1218

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1218)

<223> n = A,T,C or G

<400> 2479

nnnnngngnn	nnngnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnngngnn	60
nnngnnnnnn	nnnnngngnn	nnnnnnnnnn	gnnnnnnngn	nnnnngnnnn	nnnnnnnnnn	120

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nnnnnnnnnn nnnnnnnnna gntggntttn tnggcncntc gggaaanccc nngnngnnng 180
gnnnngnang nnnnnntttnn gnttntntg ngnggggggg gngggggggg gnggtttttt 240
tttttttttt tttngnnnnn ngnnncnnnn nggggggggg gtggggggcg ncnnnnnggg 300
nngtgtgttg ccnngggncn ncnnngnnnn nnnnggnngn gnnnnnnngn ntgnngnggn 360
gnngggngnn ngggnccnng gggnnngggg nngggnnnnn ngggnnnnnn nnnnggnngn 420
ggggnggggn gcnggggggn nnnnnnggnn nnnngnnnn nnnngggggg gngggggng 480
ggggngnnnn ngggngngng gnnngnnncn gnnngggcn nnnngggggg ggnncnncgn 540
ngntnnnggg gnnngnnnnn ngngnnnggg nngggngggg gggggnnnnn gnnnggnnnn 600
nnnnngnnnn nnggggnggg ngggggngng gngnaannn nnnnggnnnn cngggngggg 660
gngngggggg nggnngngng gnggggngg ngannnggc cnnnnnggn nngnnnnnnn 720
ncnggggggg gggcngggg ggggggggnn nnnnggggn nnnnnngnn nggnngnnng 780
nnggnnnnnn nnnngggggg nnnngganng gggggggcnn gggggggggg nngnnngggg 840
ggnnnnnnng ggggnnnnn nggnngnnnn nggnngnnn nnnngngnnn gngggngnnn 900
ggnnnnnnng gggggggggg gggggnnnn nnnnnnggn ggggnnggg gggggggggg 960
nnnnnnngng ngnnnnnnng gggngnggg ggggggggn nnggggnnn gnnngggggg 1020
gggggggggn nnnnnnnnnn gnnngnggn ngngngngng nngnnngnn nnnngnnngn 1080
gngnnnnng ggggggggnn nnnnggggg gngngngggg ggggggggn ngggggggng 1140
gnnnnnnnnn nnggnnnnn nnnnnnnnn nnnnggnngg gggggcnnng nnggggggn 1200
nnnnngggng gggggcg 1218

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<210> 2480
 <211> 1186
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1186)
 <223> n = A,T,C or G

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<400> 2480
cccntnnntn nnnnnnnnnn nttnnnnnnt nnnnnntann nnannnnnnn nnnnnnnnnn 60
ngntnnnnnn nnnnnnnnnnt ganntatcga ntannntnncn nnnncanntn gtannnnann 120
tntnnnnnnn nnnnnnnnnn nnnnnanaaa accttcgacc nttctcagcg gngacgaaa 180
cagtatatgt aggtagaaaa agaaaaagaa gggtaggtc ttnagcncng gtggacnggg 240
gannttaaan gcttaggggg atanggaata ggattannan gggagacca aggggccagg 300
aanggtagga aaagctacca agnttggtg atcctaggaa ngaaanaaaa ggnntttnaa 360
ggaggatgtg atggnctggg gcnaaaggtn gttggnccag ncaantaant tgaagattga 420
gaaatgatcc nttgggtgta gtggatgaag gcaatagtng aactttggga ntaaaacctg 480
ttttcaagtg ggaggtaatg ggganggaaa tgcctgttg gggaaantgag nttcaaggta 540
accaaccnga nggaggagaa aacttggang aatagccaag atggtangaa ttaagaantt 600
cccnaagggg ngttttttng nttggtccaa agggnaaaa gaatngaatt tggagaaat 660
ggggaaacnt ccgaaagggg gnggaggagg naaaatntga ggaatttttt ttaaaaaaaa 720
aataaattan atttanagnt ttggggggag naaaaaggg ggcaatttgg gttggggaan 780
ttctttaatt tggggcgatn ccaccttcca ccacnaagg aaaggggaaa aaaaatgggg 840
gattgggatn ggaatttcca aagggaaaca agttggggaa angnaagnaa cacgcaagca 900
aggtngngtc nggggnttca aggattnggc cttaaagccc tncttaaaaa aataggaaaa 960
ttgggtntta aaaaaattan caaggtgggg gaactttcan ngnccttgg caaanctggg 1020
gnnnatggg tgccttntt accttgggga acccccttt cccattntt ttgggcccgg 1080
tatatgnttt tttggacctt aaaccaagaa tngggggnga ccanttttt nttggagaaa 1140
aaatgggnaa aaaaaagnan gggcncccc tanaatttcc aaaann 1186

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<210> 2481
 <211> 1101
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1101)
 <223> n = A,T,C or G

<400> 2481
 ngnattttnt naaaaaccnc cttttttgcg gaaaatcccg tttngccttg ntntccttaa 60
 aaactaactt ctcccccttt tggntcacc cccccntaa aagggncana aagagagatt 120
 ggnnggggta nngggatttn tttttntat tnaaccnttt ntthtgggnc naaggggcca 180
 nagccccnc aaaaaagnna nggggggggg ggaaaaangn gngnggtgaa aagcgnttct 240
 catnaggcc aatcgngggg ggnannanag tntcaccccc acctgtgggt nctntcttnn 300
 gggncaanag gngnccctt anaaannntt ataantctnt tttacacttc cccnttttcc 360
 ccttttnggc ctaaatggaa ngaanggaca tcatnaangg ccnngaaagn ggggnaccaa 420
 nggnggncnt tcctggctnn nccttanttg gggngaaggg ntcccttagg ncaccaagac 480
 tcaaccttnn tttctngcac cncctttttt nccttttgaa anannananc aactnctgn 540
 aacaaaatcn actgcttggt nctgcttttg angggngtaa tnatcttcta nccnaantc 600
 tggaanttgg ncaattctat tttttaaaaa cctctaaann angggnanan aanccttggt 660
 nntnanaatt gatanactn ngntccnct nanggtacat ggttggntnc aagaacctta 720
 tttntaccn tatgnaanac angctntga tttntctngca aannnaaaaa atacctttt 780
 tngnggaana ntaaaggaaa ggaggttag nngtnccan tgccctctt tggcccttna 840
 acaggatngt cncanagg ggcccccat tnttggctt tccttgnccc cctnccctg 900
 gnntnacctn gnttngatng cacttcttcc ttttccctg nnaanacccc tgggttttnc 960
 cnaagtntt ncttcttgg ncccccttct aaaaantcct ntgggaaat ccncttnn 1020
 cncancctc tntgggttcg naacacttg gnacccaatt gggcccaatn ctctnggctg 1080
 gntnctnta cccnnancc n 1101

<210> 2482
 <211> 1093
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1093)
 <223> n = A,T,C or G

<400> 2482
 ncttacgcnt tngngctgtc ggtgatttgt ttctattaaa aataattttc aagtgggttt 60
 ctgtntcttt agtattgaaa acttngtgg tnnthtann aancctnnga ccngttttaa 120
 gagaantcag tacccttng ttccctntt tggantccta aaaaaaaang tcaagttntc 180
 atgnccaggc ccgaatagtt caggcctgg aaccttancc ctttggggng gccaaaggcag 240
 aacagaatga acctcgtgga attgggcca cctcanccct cccaaaagtn gctgggtatt 300
 tancaagaat ggtggaagcc ccccgccacc ccaagccct ggaagttttc ctcttttcc 360
 tcttcttttt tttaaacctt ttaanttttt ttttggaata aaaaccccc gggttaaggaa 420
 ctttttttgg tgggggggga agccattttt ttttgggttt ggaatnaaat ttttttaacc 480
 tggaatcct naaaaaagcc ctggaagtgg gaattttttt ttttaaaaaa aagnaataat 540
 tttgnaaat ttttggggc ctttttccct ttcaacccca aggttaaaat taatnggttc 600
 ctccccctt tgccctttt ccttttttgg aatgggtngg aataaagggt ttttttgaa 660
 aaaaatnggg ggttgggaa aaaaaattc nttaaaatta aggaattcc ttgggtgggg 720
 ggttgggaa aatttttgg ccttggggg gtttgggtt taattgaaa agnttcccc 780
 aacccccctt ggttngggg gcccccacaa attaaaccn tttaaacctt ggttggggg 840
 gtnaaggga aggttgggt ttttggagn ccttantttt cntnggggaa gaaatttant 900
 tttnggggtt aaaagggtan ttnctttaa aaagcccc ttaaaaancc catggtntt 960
 gtggccccc tggttttgga acccagttaa agnccccct tnttttggc atttggaaag 1020
 acnnttgaa agaaaataat ccagccctt cntnaaact atgggtggaa agtnttccct 1080
 cncaattttt ntt 1093

<210> 2483
 <211> 894
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(894)
 <223> n = A,T,C or G

<400> 2483
 ttnnctaagc cctttgggnt gccccaggta ctattagaaa taagacaaaa acttttgcnt 60
 cnaanaacct ccnaancntn tngganntnt tntttngann ggggccaacc aaantncccc 120
 aacnttngn ccnccnnanc cnagggttt nannnangcc nngccanant gggcntngca 180
 ngaaacactt nnngccnttt nggaaagggg cccttntntn taaaannctn atngccnat 240
 gccnngaata aaganggtgt ncctntngca aangaatat ccaagtgtca aggtccaacc 300
 caaaaaggcc tngtaagang ggantcaagt gtnggtnacc aagccaaagg atngaangga 360
 anggccagtg atttgaccaa tggggcacaag aatgaagggg acccaagctt gtgaagggcc 420
 cnatttgnta acctgatgaa attggatttt tctnaaanaa aatgggggac caagtataac 480
 tgtngctatt tgancccttg aaatgtggct tgttccgaat ttgagatttn cttnaattcc 540
 aaaaattcac ccctggattt taaaagaat tttaataaag ggaaaggctt gggcccccg 600
 tgggcttcac cgttcttgtt aaattcccca ancantttt tgggggaang gnccaaaaaa 660
 ccngggttng ggaattcccc caaagggtcc aagggganaa atccaaatta ccccanttnc 720
 cttgggcctt naaacaatct tctttacctt taaaaaaaat ttccccaaaa aaaaaaatt 780
 ttaaacctt ggggccctt tgggtttggg ccnggggtt gccccctnt taaattnccc 840
 cccaancntt accttttgn ggaaaggcct ttnaanggc ccngggaaaa aaaa 894

<210> 2484
 <211> 935
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(935)
 <223> n = A,T,C or G

<400> 2484
 cccccncnn nnnnnnnnnn nnnnnnannn naanngnncn nannnnntnc ncnncacn 60
 naccanannn cnnnnnannc nnnnancn nnnnnnann nnnnnnnnnn nnnncnnnnn 120
 tatnggaacc cctagcgcaa acatgganan ccctaactn ntcaacctg gacggcaaag 180
 gggaggggan ggaanctaac caaagggtaa tggactttag aatcnacata tanccaacaa 240
 anccccgcaa ncctttgggc cannancann ctatttgggg gagcagctgg gggctgttac 300
 cataaaanag aagagccncc cnaaaattnt aaggccttt atccctggct tctaaccnna 360
 aaaaanncag ggagaagtca angaagctag ggttcaaggn tgncccccc tcnaaaagg 420
 ntttgggcca agcggntcaa aacaagtttt ccaacaactg ggaaacaaaa ctgnttaagc 480
 cccaccccn aacntggttc actgggggga cttttgctaa cccgntcctg ggggnggacc 540
 cttttcccgg ggatttccn ttggtcttta tcaancaaag aanttaaacc accatggcct 600
 aaaaaccgnc ttncaatttg acttctctac tccggngtgc tcagacaagt gtcttcccag 660
 aaaaaccacc acctctacc caaagatgaa acatgctcat gncatttttc tcatggncac 720
 atttaaacag ttttgacatg ttatacttgg cgcatagaat ccaacgtttc ttggggaacc 780
 tgacctttng agtgtttaan aaagccggaa gngggggttg ccctgaacc aacagaattt 840
 cacctggggt cngggctccc ggngnttaaa cactgggana caatcttga tngccgaaa 900
 gnnaggtcaa tctttcngaa cncantttgg gaccg 935

<210> 2485

<211> 914
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(914)
 <223> n = A,T,C or G

<400> 2485

ttatcttacg	ctntngtgat	gccggncctg	tcgcttgacg	cttggcctgg	ctttttttgt	60
ganatatgng	nnacttttct	tctttattan	gnccctaacc	ncccttccc	nnccnaana	120
anggccattn	nctnccnnn	gggnnnntnc	ctaaaaana	aattanaang	gatngnaang	180
aaanaaagg	anaaaccagn	atttaanggn	ggtnggctta	acttggggcc	ncctaaccce	240
cctgnttcaa	tttagggctn	gaacaaanct	gaagcccctt	tgaagagcca	aggcttggcc	300
aggancagg	gtggggggcc	naattacaac	tttcccatn	aaaaccaaat	ttnttgaaa	360
gnaaattgtc	ccaaaantng	cagttatttt	tcttttgcca	aggagggggg	gaattcctgg	420
nangatggg	tttcaatgtt	cttnttgatt	ccccanttn	ccttttttgg	ggaanggctt	480
gaangntng	ggaaggggaa	ttttgccttt	ggaagcccc	cngngaaagt	ttccntang	540
aaccceang	cccttgggn	ccaaacnaat	tgggncggaa	gaacccccca	ttctttctta	600
ccaagnaaaa	ttttaaaaaa	atntanntnc	atctntnttt	ntttttcttt	gggggncceg	660
ntttttttta	cntttaaatn	cccnaacntt	ntttaaaaaa	anctttttgt	ttanatnttt	720
ggacnaaaac	ccnnaatntt	ttaatttttt	ntttntnaa	ctnctaataa	ttntntnttt	780
ctcctatatt	cntntctcnt	tntttantct	ntttttntta	ctntttcnnn	ctttatttta	840
ctaencttct	ntttntcttn	tntctctnnt	anttnnacgn	acctactnct	cttttttttn	900
nctttnttca	nnnn					914

<210> 2486
 <211> 1288
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1288)
 <223> n = A,T,C or G

<400> 2486

nnnnnnnnnn	nnnnnnnnnn	ngnnnnngng	nnngnnnnnn	nnnnnnnnnn	nnnnnnnnnn	60
nnnnnnnnnn	nnnnnnnnnn	nnacggacnc	ntagggccct	tcnccaaann	ncccnnaann	120
agcnnncnnc	nanccnccgg	nccnggnccc	ncctagcagg	aacnccgngg	ggngggcngg	180
aanttttttt	tnggtntccg	ggggaancng	ggcaggnaga	ggncatggg	cnccccggca	240
ccnncnagc	cggngggncg	gnngggcgga	ncccnancan	tcnnaagg	ccgcancnnc	300
aanaccgggc	cnngggaccn	ggcccggggg	gggnngggaa	gggccacccc	ngcagaaaaa	360
naaggaagg	cnccccggg	caccctccc	naaaacantn	aaaagggncc	tggggnaaaa	420
ggccccanaa	annnnaaan	caannggcng	ggaannaaac	ccnanaccag	gaanatnnnn	480
canggcctgg	gagggggggg	ggaggaggaa	aggggggaaa	aaggggnggg	ggaannagg	540
ggnnnnccca	anccccang	nnaccanggg	gggggagggg	annccccag	gggnacccgg	600
nnantnnggg	gagnnaaaaa	nagggaaacna	aaaatnnggg	gnngggcccc	gggaangggc	660
ccgggggggg	ggncccaang	gccccgggga	aaatcccccc	aaaccacctt	tttngggggg	720
gggaaggggc	ctggaagggg	nccanggggc	ccccccaag	gncccaaagn	ggaannccac	780
ctntggggag	ggggccccng	gggggggggt	tnccggagg	gacccccggg	ccccngggg	840
ggccccaaan	caangggggg	gggggaaaaa	acccccccna	aacccnctt	gccnctaaaa	900
anaaaaaggn	angtnagaaa	aaaaanncna	agnccccnng	ggnggggngg	ggggnngggg	960
ggngggccaa	aaaaccccc	nanannaaan	nccccccagg	ncnnnccctt	ngggggggga	1020
agggggcccc	gaagggggcc	caggggggag	aaaaaancgg	gcctcngggg	nacccccccg	1080

ggaaaaagg	ggcggggaag	ggggnntnng	ccngggncgg	aaaggccccc	caaggaaaaan	1140
gggggggggc	ccaccngggg	ggaccctncc	caaggggcccc	nggggggggg	ggggggccag	1200
ggaggcccn	ggggaccccc	ccccanatt	gggggggnga	anaagaaana	aaanaaang	1260
ggcgcccn	nnngggggg	annggcgc				1288

<210> 2487

<211> 749

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(749)

<223> n = A,T,C or G

<400> 2487

tttnaccctt	tcgatnccgt	gntgctnnct	ntngctcagn	gctnctggna	aacacntgga	60
ggagancaaa	ncccgccagg	cntgnngctg	ntnttactgt	ttctgtgggg	nggggaang	120
ggaagtntg	aaaattncca	ggtgtgtntn	aaactaaagg	gtttnaaann	actgtntctga	180
accagnnctg	nttgaggtaa	aaggcncagg	attntnctng	tggttggnaa	aaatntcctg	240
tntccaaant	ttgaggcagg	aaatanaggt	tttgctgggtg	ggattgtggg	ganactccta	300
ganctggaac	caggaaagg	ggatccactg	ttttgtgaaa	agggcatttt	cacntgaaca	360
aggttggaca	gcagganccc	cttagggacc	cctgtgagca	ggcgtcttga	cttgtttttt	420
gaaaacantt	aagacganca	atgtgatgtg	aagcattcan	agtaagggtg	agtggactgg	480
attaaataga	ngggcaagtt	ntatcatctt	tcttntgccc	cgtgcctcct	gtttcttctt	540
tcatttggtc	attaaacaaa	tgttttattg	atgggttatn	aatgtgccan	acttgccctag	600
gtgcatggga	ccgcaacaat	aaagtggagc	caagaagggc	ccagttctca	cngngcttat	660
atctaataag	acagtgaata	aataaacttg	ccaatcaaat	ctntgncata	gctntcatcc	720
tttcanacat	aatttaaaac	atntgaaan				749

<210> 2488

<211> 800

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(800)

<223> n = A,T,C or G

<400> 2488

nacngaccct	ttggngctgt	cggaataaac	ttcgaagtcc	tcttccttta	caatatttga	60
attcatattt	gtnccttctc	aaaatagtgn	ttcatttttc	ctagaattac	aggagggagc	120
tcttttacta	atgttggttt	ggttgnccac	ttggngggct	antantagga	ngttttctan	180
tngtaanaaa	aactcttttag	agacttttga	ctgggtcagt	ntactgaggg	gtggagattt	240
gnttcatgat	gaaaaagcct	atagattgcc	aaaaaattaa	ttctccaaac	cacctttcac	300
tctcagaaaa	tgagacccca	aaggagtntg	cctntaaatc	aaatttgcca	accaattatg	360
tagatattac	tcattctagg	actaatgatg	atggtaaaga	agttgccagt	gttatggcaa	420
tgaaaatttc	agaaaggagg	aggtggatga	tcttctagat	gtatatgaac	acctgnctat	480
atctgcatgt	atatgttttg	acctgccagt	ggtttgcaat	gttgatatgt	gttccaagaa	540
tantnctgtc	tacnaaactg	gaaggcccat	gtcnaaattg	gtcctttatt	ggnggggttt	600
tatnggcacc	gtgggaacaa	ttttcttanc	taaacctacc	aaaagggtct	tctttggatg	660
gaacaatttt	tantttatta	ttttacctna	ancctttttt	nnnnnaaaaa	aaaannnnnn	720
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	naaaaantct	tggggggggg	780
ggntttttta	aaaaaaaaan					800

<210> 2489
 <211> 1043
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(1043)
 <223> n = A,T,C or G

<400> 2489
 cnancnatac cnccttttcga nnccgagncc ggcgananaan ngaatggcct ntntgttcag 60
 nanggatccn cctccngctg nttgnttcat gtttttgttc ctggnccaac gcttttccat 120
 ntgtngnatc ntaatccgga attantttggc tttttggggg tntttaattt ttgtaaagg 180
 agnttccctt tgtngcccag gctngaattg nattngngcc aaccacaact cgttgaaanc 240
 ttctgcttcc aaggacaagg gaaaatcctc caaccttaag cctttccacg tancctgggg 300
 antaccaagg caatgcaccc acaaggcatt gcanccaacc cncccaacc taaatttttt 360
 tgggtatttt tnggtaanaa naacaagggn gtgggcaatt aaatnnttng nccccaagcc 420
 tttgggtntt tttgnaaat ggcccccttg aagccttcaa aaanccaaat ttttaaattt 480
 tngccccctt tngggcccc ttccccnaa aaaagnggcc tttgggggga aattaaacca 540
 angggcccat tggnaaancc caacccaac cggggcccc aagccccctt tccttnaat 600
 ttntgggatt ttttttttt nnaataaaaagg gggaaaangc cctaatactc cntttcttt 660
 ccccccttcc cccnaanntt anggggggnaa ttccntttt ttccccctt tccgnccaac 720
 ntttggctcc aatgttacnt nggaatttcc cttcaaactt tcatttaatn gaaattccca 780
 ttttgggnaa acccaattgg aaaaaaang ccaaccttcc anaaaaagcc ttaataaaaa 840
 gaaaattggt tttggnggg aaatatcctt cctaaaaanc ttattcttgg aaatanattt 900
 tcccttttaa aatttgggga aaacctctt tttngggaga ccttttgaaa aacnttggga 960
 aaaaaaacc ccangggag tttgtatttt nggaaaaaaa aanaanaact tnganccttt 1020
 ggtaaaaana aaaccaagg ann 1043

<210> 2490
 <211> 1196
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(1196)
 <223> n = A,T,C or G

<400> 2490
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 nnnnnnnnnn nnnnnnnngc nnnnnngnnn aannnnnnnc nnangcnna cnnnnncgan 120
 ngngnagnn nncnngnnng nngngnnngg nacnnnnna nnnnncnngn nncnncngg 180
 nnnnnancnn ncnngcnnn nacnnnnnnn nnnnnnnnnn nncnnngnt cngatccgg 240
 aaaacccttn gcgcgcaagn ccnncgcggg ggcggaagng nagcccaccn cgeccagcn 300
 cggggnangg ggggggcccgc ccgccccnnn ggnccgttgg acgggcccgg ccacccgggg 360
 ccggggacnn gaccggngg cannaggcga cccannnccg ggccagcgaa ngnggccnga 420
 nggcaaccgg ngccagggan ggnaccncng gnaggnggn ngancanaac gggangggng 480
 gccgcccggg nnggccagga aagcaagggc cnnngnacna nnggcccccn ggaaaccng 540
 ngccannaag gcggannnga ngnagagan ccnaaacgg cccnncagca agnnaaaaan 600
 ngacnggggg accanccanc ngccgggaca ccggggggaa aaacnncnga aggagnggg 660
 ggnaanccgg ccacnaangn nccaaggcng gggnnanaan cgaccggcc ccaaaagggg 720
 cccaaagggg gnaccaggnc cgnncngng ggccncccc nggggncng ggaannacca 780
 gggccccggg ncccaanggg gggccccggg cgaaccccc ccccnagcg gggggggggg 840
 acanacngcc ccccgggggg gggggggcca gggaggagan ccccccggg gggaannnnc 900

```

ccncaagg gggggccnan aaagggggcc ngnggggggg gcccgccgn nccaannnac 960
gogccacca ggacnacga gggggggggcc nacgccnggg gganangngg ncgnnaaac 1020
cacggggaag cccacnngg gccngggccn gaaaaagacc cccccaanc cccngaaaag 1080
aancaggggg nnggacnnaa nntnccnag ggggggggncn ncaccnggn gannccaac 1140
gaaccgggcg gaaanaaaaa aaggnggacg gangnanccc ccagccccc cgggcg 1196

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<210> 2491
<211> 855
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(855)
<223> n = A,T,C or G

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<400> 2491
naaaaannaag ccctttgaaa actnctgttg aaaaccacca agggtttagt ccactctgcc 60
cccaaactct gagtctgctg anntnncc nttccttcgg ggtgggttna ggangtgnc 120
ctggctggtn gggagggtga ncctctgaaa taagggtggg gagtcatnca gggnggcctg 180
ggcccntggg ggggggggta aacctcaaaa aaaggggagg gaaggcttg gactgcctg 240
aaccatttcc tctacagcca gaccaccag gtggcggacc catcatccca nctctgcant 300
ataatgggat tgcatacata tcaagccctg aaaataactg ggaccacctg ctccccctt 360
cttgataaac aacacatgtg aatgcaacct gtcagtcgtt ggaaagtgc ngcatggaaa 420
ggcaattncc aaatgacttt ttaaaaagta tgagaaattt gcctggcttg aaccgtttt 480
ttaaattaat gcccggggag gtttaaccat ttaataacct atttcattaa cttttaattn 540
gaagcctngg gccttttgaa nggnggggn ttttaaaggg aaaaacaatt tttgggggna 600
ttctntttg ggccaanggg ggaacaaaaa aatngttgt aancctggg gnccccggg 660
cnggccaaa cntttttttt accaaaaacc cctaaanggg accctttcaa nggggttncc 720
cgggtttggc cnccatttaa aaggnacccc ggggggaang ggacnaaaaa acctttttt 780
tngccnaaaa aanggggngn ggggggcctt ttttatata aanccatttt gngggganac 840
cnattttttt ccccg 855

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```

<210> 2492
<211> 673
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(673)
<223> n = A,T,C or G

```

```

<400> 2492
ttaaacttta cancttctgt gtccgtggaa ntctgggtgt tnggcccgc nttcgttgg 60
ctcnctntt ngcngancct ttttncgnc ttncngana aaaaaaagg nnggccnann 120
ccgacctttt tcnngccag nnnngtttn ggggngccn taaangnct ggntnaaggc 180
caaggncctn ttggncctn ggnnancaan ncccgtaag gatnttcgg gnaagtcatt 240
ngancngang gccacctnaa ctnccgatg tgcaacatca caagcacntt cnaaaatngc 300
ccgatggcac aanttgagca aggtntcctt ccgggcaccn aaatccgctt tttgaatttg 360
cctgactgct gaaaaacccc cctgttaaaa gcatgaaaat aanaccaaag ctcagggtg 420
gccgaggaaa cttgcattct caggccaatg gcccaaaaaga aaagacgtgg atgggacgtg 480
gaaacatttt caaagcgaga tatttctagt tgacagaact tgtcttttct taggtattga 540
gtcttgagng gtgcttggtt attntaggat ntgtctctt cttaacaggg aatgttacta 600
ataattgggg nttttgtcna aaccnnagaa gagagctntn gaaatnnggn ccnacctcta 660
cctntttnnc can 673

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<210> 2493
 <211> 837
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(837)
 <223> n = A,T,C or G

<400> 2493
 cgaactcttt agacctnncc aatccgtgct ggcgccagac actggntnac ccagagcttc 60
 cgcangcann accnnatggg ttttttncct tttngtaaaa aatccaaaag aagaattttt 120
 gantaaaaaa ancaaaantcc tgtttttgng cctggaacca cnttgnccag gcangttata 180
 aancagggtg ganctgggtt agccccaccc agnancgnag gnnngcctca ttgngaccc 240
 tcctagccca gcntaaaagg gcatcacccct gcgngtgctc acaaagaaat atggaatttt 300
 cccttgccgg gcttcaatt gtggnatnna aagaaccctc tcttgtgatc ctgtgtcctg 360
 ggtgctctgt tggcctcctt cntgccacc cgaaggaanaa catggaggct tagagaangg 420
 gctcactgaa caancgaaaa tgnttgggaa cncaaaagga gctnccaaac acaaaggagc 480
 catgaatggg gcttaggctc ttcccnagg gctgggtggg cctcaaccgt cttgttgggc 540
 aaaaatcctg cttcccttga cacancgggg gcttaanaaa ccaanccctg nggtcacaca 600
 ccctgggtga attaacaatg cctggctgga cccctcactg ggagaaaagg gctacaccgt 660
 tttgtgggaa caaaagccaa aaaaaagggtg ttttatttng gaaaaccaa atccaaanct 720
 gnncatttta ctttttaatt aanaaaatc ntttngggaa ttggtctnat gccctataaa 780
 tccccaccac cttttgggaa ggctgaaggt ggggaaaaaa anaccccgan cccaant 837

<210> 2494
 <211> 744
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(744)
 <223> n = A,T,C or G

<400> 2494
 tacccttcac ntactcagcg ggaagatagg caatgccatt tttttcagat gtacacntgc 60
 cacacaccta aacatagggt taaattatga agaaatttag aatagagggt tattagattt 120
 agggaaacact aagaacaaaa aaggaaggag tgatacctgc ctgagtggac agctgtaaat 180
 cagctgtaat tactgcagtt gtaccaatag ttgtgagtgg ctccagtcac tttaggagtc 240
 cttggaagta cttggtacac atttgttggc tgtacctaa aggaagtggc aagtccagtt 300
 tgttctctct accacactag actgccactg acaagtttgg gtctgttggg ttcaaaattt 360
 tgtaagccat tttcacaagt acaaagatac attttaacct tgtcttctcc aaaattactg 420
 agtaggaatt ttatttttat ctttttgaga cggggtatca ctgtcaccca gactggagtg 480
 cagtgggtgg atcttggctt actgtgacct ctgcctccgg gttcaagtgg tcttccctcc 540
 tcagtctcct gagggtctgg ggcggcangc gcgtgccacc atgccagct gggttgggtc 600
 atttttctgt ananacnggg ttttgccatg ttgccgggct tggtctcanac tcctggctca 660
 ngcgancatt tcgncttcgn ctcccaagg gctgaaatta tangtgtgaa cccagcatc 720
 tggccanant gagganaaat atg 744

<210> 2495
 <211> 1593
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1593)
 <223> n = A,T,C or G

<400> 2495

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nnnnnggggn	nnngngnggg	ngngngnggn	ggnnnnnnngn	nnnnnnnnnn	nnnnnnnnnn	120
nnatnaannt	aaacncttgg	gaaancccn	nnntgtgnnn	nnnaaggngg	ggnggntggg	180
naagngaggn	ggngnnngn	gnnngttnna	ntnttttttt	ntcngnnnnn	cnngnggggg	240
ggnnnnnggg	gggggggtgg	ngngggngng	ngtnganntt	tttttngnng	ncngggnnngn	300
nnngnggggg	agnggggggn	gngagnggg	cggngnnngn	gngggggggg	gnngggnnnn	360
nggnagnggg	ggngngngng	nggggnangn	ngggngngnn	ggngggnggn	nggnnggngg	420
annnggggga	naanncgngg	angnggggg	gnnggnngng	aaaggagaa	ngggngnggg	480
gnnnnnnggg	gggnttgggg	gnnaaggga	ngnnnnngna	ngggnnngng	gngngngggn	540
ggnggggggg	ggngnnngcg	nnngannng	tggggggggg	gnntgngngn	gcngggngna	600
gcnannnnng	gnnnngggng	angggngng	nggananggg	naanngcggg	ggnggagngg	660
gnnggggnan	ggttnggggn	nnnggnagag	gngcgnaann	ggganngggg	ggganngggg	720
gaagggggang	ngnggnncnc	ngnggggn	gggggggngg	nnngnnnggg	ggggggggcg	780
nnngnnnnnt	ngnnnggggn	gggggggngn	ncnnngngng	nnannngnnng	nnangggggg	840
gagngggggg	ggngngngng	ngnggnncgn	nggcnnngng	gggggggggn	nnagngcna	900
ngtttggggg	nnnnnnngng	ggngggnggg	gggcnnnnng	nnnanggang	aggngnnnga	960
ngcnnngggg	ngnnngggag	ggggggggang	acncttgnng	gggggggggg	ggggggggag	1020
tnngaggggn	gancngngng	annnnccggn	tnaaggnnng	ggggnggaag	angnnnnnnn	1080
nangnggggg	ggggngngng	gggggggtgg	cggnnngggg	gagggtgggg	ggcncaangg	1140
ggnggnnnnn	cggggggggg	nnannggggg	gggggggngg	nggganaana	gnaaagggna	1200
nggggggggt	natggggggg	nacgcggngg	gngggngggg	gnnnngaana	gggggggggg	1260
ggggggggng	gggggtngggg	gtnnnnccgg	gggggggggn	gaagngngng	nggnaagggg	1320
gngggannng	gnnagggnaa	ngangncngn	gnggggaggg	gaaangngng	ggggnggggg	1380
annngnnngg	nnngnnnnng	gcnggggggg	ngcanganna	ggggggnggg	tggggggangn	1440
ngggggngng	ggncgtaggg	gggggggaga	agnggggggc	annngtcgcg	nncggngggg	1500
gntanaannn	gangggngng	gtgtggggng	ggggcnntgg	ggganannag	ggnggggna	1560
cggggggngn	aagnnnnngg	nggttagggg	cgg			1593

<210> 2496
 <211> 730
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(730)
 <223> n = A,T,C or G

<400> 2496

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aaaaaataaa	tgtgaaccaa	agcaactccc	tacnttttagc	tcantggggg	ggntccnttc	120
cttnttgnen	gggtcttggc	ccttttggtg	ncggccnagg	aaactatttg	tgatcccacc	180
tttgggctna	gatgtgatgg	gangngggat	gtangggccc	aaggagaaan	ggttgacagc	240
agcgggtcaag	cttggaacaa	anacctncan	gcgggtccct	ggtgttcttg	gcagtcacgc	300
ccaactgccca	accgctttgc	ttgcactttc	actgggggta	aaagaanatt	cttcccttcc	360
aagaatccca	aaaaccggct	ctctgccagg	gggacttttg	aattccacac	ggatcaagaa	420
caaggacacc	tttgcttggg	aacaatttgg	atgggagctc	tcctnctcgt	gtccactgga	480
aagacatttta	ggaatcaaat	tcaaggaaaga	aagaccccgga	aaangggant	tgggaatggg	540
tgtgtgtgag	ancatatgtt	ggttttgtgt	gtgtgtgtgt	gtgcntgcct	gtgtattttc	600
acttatatan	aaaaatattg	nttttttaac	aaacatntat	ccaatttntt	gtntaaaaaa	660

atatcccttc gcgngttcta tcaaannnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 720
nnnnnnnnntt 730

<210> 2497
<211> 754
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(754)
<223> n = A,T,C or G

<400> 2497
tnantttacc cttttcgaat ccgttgctgt cgcagaacca gccacagggt tcatcgacgg 60
tgacttgatt gagagtttcc tggatattag ncgccccaaag atgcaggagg tgggtggcaaa 120
cctacagtat gacgatggca gcggtatgaa gcgagaggcc actgcagacg acctcatcaa 180
gggtgtggag gagctaactc ggatccatta gccaagggca gggggccccct ttgctgaccc 240
tccccaaaagg ctttgccctg ctgccctccc cctcctctcc accatcgtct tcttggccat 300
gggaggccct tccctaagcc agctgcccc agagccacag tccccctatg tggaagtggg 360
gcgggcttca tagagacttg ggaatgagct gaaggtgaaa cattttctcc ctggattttt 420
accagtctca catgattcca gccatcacct tagaccacca agccttgatt ggtgttgcca 480
gttgctctcc ttccggggaa ggattttgca gttctttggc tgaaaggaag ctgtgctgtg 540
gtgtgtgtgt atgtgtgtgt gtgtatgtgt atctcacact catgcattgg cctcttttta 600
tttaaatggc cagtgtaggg agttgtgggt agtggggaaa naagggttaag aaggtttcat 660
tgtctgtgaa gtganaacct ncntttactt ttcntttatt gcctctgaaa acattaaggc 720
ctaaaggcct gactgncnaa ccatgggtag cccn 754

<210> 2498
<211> 752
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(752)
<223> n = A,T,C or G

<400> 2498
tgtntgacnc ctttcgaatt ccgttgctgt cgcacacagc ccctctgcaa aggttgggaa 60
acttgcaagg aattttaagg aatctctgtt nagtcattag ccagccacta aactaactga 120
gcagatcctt cagtgatcac acacaacaaa gaatacagac tttacagact tagtcctaga 180
aaatcactac acaaacagca caacaatgca cctgggacta agggagagga gatgagttcc 240
agagttggta tattatttaa atgtctagtt ttcaataaaa acaattataa gacacagagc 300
aaaactagaa agtatggccc ataccaggg aaaaaacaagc aaccaataga agctgtcctt 360
gaggaagtta atatcttgga cttactagaa aatgacttta acactagtta ttataaatat 420
gttcaaaaaa ctaaaagagg ccaggtgcgg aggtcacgc ctataatccc agcacttttg 480
gaggtgaag caggtgggtc acctgaggtc aggagtgtga gaccagcctg accaatatgg 540
caaaacccta tctctactaa taatacaaaa attagccagg cggtgtggcg cacacctgta 600
atcccagcta cttgggangc ttgaagcagg agaactgctt tgaaactggg angaagaagt 660
tgcagtaagc tganatcacc cactgtcttc acctgggcca caagagtgna acttcatctt 720
ccaaaaaaa aaaaaaanc cttnattnnc ct 752

<210> 2499
<211> 759
<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(759)

<223> n = A,T,C or G

<400> 2499

ttntttgacc	cctttcgant	ccgttgctgt	cgatgctccc	aggtctccag	tgtcacctct	60
cggtagactg	tcctctgggc	caggtccagc	tggtcccact	cctcctgtgt	gaatgccata	120
gccacatcct	cgaagcacac	agatgcctga	aacagggcac	ttgttactgc	tcagagaccc	180
caggtcctca	tgccctcacg	gaggtacctg	ttaaggccta	aatgttggtg	ccccccgta	240
aaattcatac	attggaacct	aatacccagt	gagatagtgt	taagagggtg	ggtctttaca	300
aggcaattaa	tgctctcata	aaagaggctt	gagggagcct	gtgttcacct	tctaccatat	360
gaggacatgt	aagagggtgcc	atctatgaga	cagcaggccc	caaccagacc	aactctgttg	420
acacattgat	cttggtactta	ccagcctcca	gaactatgag	cagtcaattc	tggtgtttgt	480
aaattgctca	ctctaaggta	tcttattata	gcaacccaaa	cggactggga	cagctccatg	540
tatgtgggtc	gtaccattcc	ttttcttggg	catctcacct	cttgccagtc	acagcaagtg	600
gtcctgattt	ctagactgga	aatgacagga	acttcactag	gagatcctta	cccctttctt	660
ttttacaaaa	atcacaagat	tcgaaatgag	gtaagaaaga	aacttttaaa	tcnggggtgg	720
gaaaactgca	gcctgtagga	caaatcaggg	cttgnngggg			759

<210> 2500

<211> 773

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(773)

<223> n = A,T,C or G

<400> 2500

ttattttaac	ncctttcgan	tcggttgctg	tcgcttgacg	cttgggcctgg	ctttttttgt	60
ggagatgggg	tcttgccgtg	tgcccaggc	tggtctcaaa	ctcctatgct	caggcgatcc	120
accctcctcg	gcctcccata	gtgctagggt	tataggcaag	agccactata	cccagactgg	180
attagatttc	ttcacatgac	atccgtagag	tgctgtgtgt	tatgctctgt	ggatgtaaaa	240
tgaacaggca	agagtacaga	agtagaatct	ctagccatgc	agtcagacag	atggctccaa	300
aattagttac	ttggttatgg	agacgatcaa	gttacttgac	tttgagcctc	agttatgtgc	360
caaatgagga	tactaatagt	atctatctca	aatgcatata	tgggtgttca	ctgtctctgg	420
gagacatttt	ccaaagaaac	caagactaac	ttgttaaggg	aatagatttc	tctcactgat	480
acaggatgtg	ctctaactgg	ccccacgata	ctgcattgaa	ttacaagtgt	tctctaagta	540
tctgtggggg	atcanttcaa	nacctctctt	gaataccaaa	attgaggaag	tcaagtnoct	600
gattttaaatt	ggcaatagta	tttgcatnta	atctantngc	antcctgtat	taattttggc	660
attctctana	attccttgta	atacccta	acaaangtaa	atngnttggt	nagtagttan	720
tnctgntatt	tcangggatt	aatgacccaa	aaaaaanaaa	tntctataca	ttt	773

<210> 2501

<211> 1156

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1156)

<223> n = A,T,C or G

<400> 2501

```

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nnnnngnnnn nnnngannnnn nnnngannann nnnngnnannng nngannanan ncnnnnnnngnn 120
nnnnngnnnnn gnnnnnnnnng nnnnnnnnnnn nnnnnnnnnnn ncaaaaanga aaaccctttt 180
ngnnaaaancc cncnngcngg gncggcangn aacacccngg nccnagcana agccccaccg 240
gnggcaggga agncacctgt ctcccttcag caacagcncn gcacnnnacc gnnnggagcg 300
cncnnnnnag gacnanggtc agcagacnnc naagacgggc cccaaagaag gccacnnggn 360
anncaagngc accgngnanc accnccnncn gaangagcng gccnagngac gncnaagngc 420
acaagaaacg gnggggaaag gggacgggga naacaannnc cagaaanaag ggnanaaaag 480
acacngnggg cngggngcgg ggggcnacag ccnggaaacc cagcaccang ggaggcngag 540
gcggggnaga caccnngnac ggcaggagg ncgagaccag gcccggnan gaagggggga 600
aaacccccgc cncnncnana aaanagnaaa aaannagccn gggccanggg gggcangggag 660
ccnggnaaac ccagncnacc naggggaggg cnggagggca gggagaaaac cgccnggaac 720
ccgggggaag gncgggaggg gnnngcagcc gaagccaaga ngaaaccacn gcccaancgg 780
caacanccca agccccgggg gggggggacc aaaggaaggc gggaggaacc nnnnggggcn 840
nccaaaaaan aaaaaaaaaa annngggggg aaaaaaaaaa annaangccc gggggggcca 900
aagggggggg ggggccaagg ggangcccc ggggaaaaaa accccaang cnaaccnngg 960
gggggggagg gccngggaan gggccagggg gnaaaaaaa accggggcan ggggaaaaac 1020
cngggggaaa ggggcccgna nagggannng gcaaaaccgn gagcccgaaa ggaaanncac 1080
cgccccanac gggnaaccn cccaaagccc gggggggggg gggacaaagg gangcgagg 1140
gaaannnggg ggcccc 1156

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<210> 2502

<211> 796

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(796)

<223> n = A,T,C or G

<400> 2502

```

ntttgacgcn ttgcggntg ccggagctgg cggnaagact ataatatgac tttgtgcatg 60
cccgaggagg ctgccttgta gagaggatgt gagcagctta gtcgctcatc tggccctgtg 120
attcaggctt atggagcgtt aagaataaca gctgtcaaat ggcctagaca tggttaatgc 180
aatttgttgc tagtggaat cctgaattgc ttcctttctg tgatcactgc tacttcttaa 240
gatgcttttg atgaatgtca tctgccttac aagttgacac ctgataactt ctccctgatg 300
ggtttccgaa ctggctgact taacaaaaaa gccagctctt gccatctatc ttgcattaaa 360
aggaattcct gagctcctaa ggggtcagct gcccactcc tgactttttt atttttaatg 420
gtctatacct tctgcaacat tttgtttat ggccattttg aatagttggg actttgactc 480
ctcacttggt aataatagga atatattttt gcagaatcta acataatacc cttaaaattc 540
atactggaca accatcaagt gtgatgtata agtatctggt gtaaacaat tttattcagc 600
atattaaatt attctgtggt tttgcttttn cttgataatg taggaagggt caccaagtac 660
ccaggttttt tcttctttgg tgggtgggct ttaaaaccgc ctggaattgg ccatttttgg 720
catttggtct tacttgaaaa anncttggtg gcaagcngan tngggtantt attngacca 780
tggttgtttc ttcattn 796

```

<210> 2503

<211> 723

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(723)

<223> n = A,T,C or G

<400> 2503

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tagtgccctgg cacagaatta ctgctcaaat gttagctgtc gtattaatat tgcactttt	120
gcacactgat gtacatttcc tgttgaccag gctcattctt taagcattct ccattgcttaa	180
accagttcca taatccctag gccctgtactc cagggattga gactgaaagg atcatttatg	240
ccattgttct ctaaaagcat cattgctgga agacttttga taagtctgat gtgtctcaag	300
ctattctcag gccctttttg tagagttag aaatgaagta tttgaatcaa tttagtatct	360
cctttactat gtttctcctt ttaatctcag ccaacccctt acctgcaggt aaaccagca	420
ttcatttaaga gctgggttg ggtactctat tctgtatgca tcataatagc ttaacattat	480
ttagtagctg taacttacan gtttaagtct agatgangat gtctcaagcc gtgagtgtgc	540
ttgtgtaaaa tgggtggcacc atcatctcgt tggagggaatt ttacttgaat ggtattttgg	600
gaaaatgtac anattcttnt gataaagaaa taaatgggtt gtgtnaaaaa aaannnnnnn	660
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnaaaa ttcnnncccc	720
nnn	723

<210> 2504

<211> 843

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(843)

<223> n = A,T,C or G

<400> 2504

ttatnttaan cccttttcga attccgttgc tgtccgagca aataccaagg cctaaaaaag	60
aatgaattat ttgctgtttg ggaaatggaa gccnnngctg agtgctgaag cacagggact	120
ctgcgcagga agaggagggg aagcaagaaa tgaatttggg tccttgtgat ggcagtggct	180
gctgccatca cgctgtgtgg ctagggtctg acacttcatg gagccggtgg aagccccgtc	240
cctcatgagt tgggactgga gccgcaaac gctgctgcag acccaggcct tctgctctat	300
ggagcaggca ggagccccac cctcttgggc agggctacag ccacccaaac tgcagctgtg	360
gatccgagcc tctctgctcc tgggggagcc gggaacaggc agaatttgcc cttccagatg	420
cagctgcagc ccgcgcaggc agganccagg gacaaagtgg gagcccttgc ctntttccaa	480
agtggcgagg gtggggagct cccaagtgc gcttgtggct tgcccccca ngcacaagga	540
acgangcat tttttgcaac cctgcacca tcgggccatt cccaaggaaa ggacaagccc	600
cccttttaac ccttccatc ccttgcaagg ttccaanggg gtggttttgg ttttccaact	660
tgncctgggc ctttttttcc aaattncaaa caaanttggt tttgattttt gggaaggggg	720
anatncngga anccccaaaa acctttgaan cccattaaaa tggccancca gggaaggnaa	780
anggggggtg ggggttnccc caattaaagg gcccccccc ttttaaggccc angggaangg	840
cct	843

<210> 2505

<211> 1448

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1448)

<223> n = A,T,C or G

<400> 2505

nacnnngnnn ngnnnnnnga nnggnnnnng gnnnnngnngn ngnnnnnnnn nnnngtggga	60
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```

angngannnn annngnannn gtgngnannn gggngngntnn gnnnnnnnagn gnggangggn 120
nggnnnnggnn ggngannnna aggnngngggg gggncnntnn nnnnnnnnnn annnnnnnnnn 180
nnnnnnnnng ntnttgattn ntanaaccct ttgggaaaaan tcccnnnnnn nnannaannn 240
nggggggggnn gngggngngg nngntgagt gngagngngg aagggggggg gntttttnnn 300
tttttttcnn gngnnngnag nagnnagggg nntggggggg aggtacngng ngncgnntt 360
ngccntnttg ngngagggcn gngnggggnn ggagngngga ngggngggcn gacngggggg 420
ngggngggcn ggnganngt ngagannnn gggcgaggag tgagntgcc gcggannggg 480
aagcgggtng nggacgaagt ngggangagg agcagaggan nnnngggngg gngnggggga 540
cnggnnangn ggagggcggg gnnnangngn ngcgacgggg angggcgggg nnangaanta 600
ggggngngn ngngctgag gtgngatnnn gntgncnct ntangnnngga nggnanangg 660
ngagganggn ngganngann ganngngngn anagngang angananggg agggagngnn 720
gngnagcgan anantngnc ngggnnntan gngngcngng ngngngngng nganntgagt 780
nagagnggt gngnnngann tggggngcg gngnggagg ggaggnanag gatacgnatg 840
cngcnngtg angnnancga ngnacgagg gngnggtng gggnggggac gcggcangga 900
gggtacggct nngcgagnat ntggtnggg nncgcncag cagatgcgg naagnanggg 960
acngatgntn gtgnnngggg cngngngngc gaacnngcn gngannnnng gngggaagna 1020
gggtnnanga ntngngtgat gagngcggt gagnggagg nntgnagngc gngncaggga 1080
nnngatgacg tngggngnga gacgagngc ctgngcngag cncngcggn ngntngntgt 1140
ngggnggaaan ggcngagcn nggagnggt gngnggtang ngaggagnga gngtgnntan 1200
ggcgnntng annngcngagn gnanngtngn gcangggagg gcgccgagnt gcgagngagn 1260
gngangnnng aggaannngt gagagggcng nngngcgagg cgggaggnac cngngcgggc 1320
ggagggcggg cngngtnga anggtcgca gaggtacgg gggngggng ngntgaagg 1380
gnggagngn ggnagngcan annncgagg nncngngaga gggngcgcgt ngngcgtgag 1440
gggnaacg 1448

```

<210> 2506

<211> 673

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (673)

<223> n = A,T,C or G

<400> 2506

```

tagctttaa ccntntcgan tccgtgctgt cgggcgatgg gctcttagta tcggaggatt 60
ggagccatcn gattnttacc tgaaattcct tagtctctcc tgtgttggg aaatggttag 120
taagacagat ttcccaaca gagagcgtnt ctatctcttc tctactctc ccttttaaaa 180
tngagattct gacagtgtaa aggagttag acccctttt ggggatcgg catggttttg 240
tggtttaa atgctttaa attgctgaag tttcttggt tggaaactgna ntctcctaag 300
taacattnta tcatcgacg tgaaatactg taactctcgg tgccaaatcc aggaataatg 360
ggcgggttag agaagtccag ggaaagccga ctgagcangt tgtganggta ancaccctgt 420
taaagtncac aaaaatgtca cntgtgtct ctaactagga aaactgnagg acttttgaat 480
aagggnggat attagattta aaaattanat agncatccct ccaaaccnt tgntgttact 540
gngagtgca gactgtataa tattagaata gatgcgcgc cgttactagc tgagtgaaca 600
ncagcacatg caacctntt taaatcaaat actgagnggc tactngntca cctcgangga 660
gggatattct acn 673

```

<210> 2507

<211> 772

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(772)

<223> n = A,T,C or G

<400> 2507

nataaccttt	naacctncnn	antccttgct	gtcgcccaga	gactggctcc	cagtgagcta	60
agcccagccc	gcgacccttg	gatgttncca	gctgatttaa	tactcatgat	aaaccagta	120
ggtcagtgcc	agtattatga	gagaagtgga	ggcacagaa	gtcacatcca	cctcccaaaa	180
gtcaacagct	aggagtga	gagccaggat	tctgccaggc	aggttggcct	cagaggccac	240
acttcttctc	ccaataataa	aagtgaacaa	gaacaggatg	aagttagagt	gagagagcga	300
gagtggtaac	actcatgcaa	tcagagaaca	agagaaagct	caatggaaac	atgtattcac	360
tgacaggatt	aaaacacaaa	acaacaaaaa	gagagacggc	cgggcgcggt	ggctcacgcc	420
tgtggtccca	gcgctttggg	aggccaaggc	aggcagatcc	cctgagctca	ngagtttgag	480
accagcctgg	gcaacatggt	gaaaccctga	ctctactaga	gatacaaaaga	ttagctgggc	540
atggtggggc	atgctttgta	ctcnggaagc	tnaagtggga	aggatcgctt	tgggaccccc	600
ggangcaaaa	gntgcanttg	agttcaaaat	cgcaccactg	gacttntaac	ctnggtgata	660
gaatgagaat	cctttntttt	nnaaaaaann	nnnnnnnnnn	nnnnnnnnna	aaaaaatctc	720
nngnggcct	ttttttttnn	tccccaantt	taaaaaactt	ttntngtttg	nc	772

<210> 2508

<211> 758

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(758)

<223> n = A,T,C or G

<400> 2508

tnncctttan	accnngtgct	gcgggaagat	aggcantgcc	ntnttttcag	atgtacacnt	60
ccaccccccc	aatangaatg	gtttttanta	atnctntttc	ccttntttnc	anggettnct	120
ntgncngtan	ctattcttta	antantagga	ggggggaggg	tanttttagg	anttnctncc	180
nccancagaa	antaatggct	ggtggnntnc	ccnttaaaaag	ggtccagtag	tatcattgtc	240
tgttgacat	atagatcagt	tttttcttct	aaatgctatt	caactctcta	ttattaacat	300
atatatgtat	gtgtatatat	atgtatgngg	tgtatatttt	attagaaaaa	ataatctatt	360
attcaactag	ataaaataag	aggtaagaga	taacatagta	gaactcaatt	atctactaaa	420
taaatattac	tcccattctc	tgtggaacac	ccaacaatat	tctcttcagg	gaagtgcac	480
tgactattgt	agaaagaaca	agttaatgtg	aaaaataatg	tttcaaggcc	ttattatctt	540
attttcttaa	agagtaatca	tagaggggga	agcataatac	ttcattacca	tgtctgtaga	600
ngaattggaag	agcctnttat	gccataaaga	aatacaaggc	attnctttgg	accnttagtc	660
atncttcaaa	agaagtggga	atgtgtctca	agntctgggt	ttatgaagaa	atcaccattt	720
ttgaaaaatn	tggggatgna	aaaatgcccc	cntaaaaan			758

<210> 2509

<211> 1581

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1581)

<223> n = A,T,C or G

<400> 2509

cgttnnnnnn	nnntngaaaa	accccccttt	tttgggggna	aaaaannccc	cccccnnnnn	60
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	120


```

nnnnnnnnnn nnnnnnggnnn gnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnt tttttnnnnnn 180
nnnnntttttt tttttttttt tttnnngnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 240
nnnnnnnnng gggnnnnnnnn gnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 300
ttttttttttt nnnnnnnnnnn ngnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 360
nnnnnnnnng nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnngnn nnnnnnnnnnn nnnnnnnnnnn 480
nnnnnnnnnn nnnnnnnngnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnng nnnnnnnnnnn 540
nnnnnnnnnn nnnnnnnnnnn nnnngnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnng 600
nnnnnnnnng nngnnnnnnnn nnnnnnnnnnn nnnngnnnnnn nnnnnnnnnnn ngnnnnnnnnnn 660
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 720
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 780
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nngnnnnnnnn nnnnnnnnnnn 840
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnngnnnn 900
nnnnnnnnnn nngnnnnnnnn nnnngnnnnnn nnnnnnnnnnn ngnnnnnnnnn nnnnnnnnnnn 960
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nngnnngnnnn 1020
nnnnnnnnnn nnnnnnnnnnn nngnnnnnnnn nnnnnnnngnn nnnnnnnnnnn nnnnnnnngnn 1080
gngnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nngnnnnnnnn nnnnnnnnnnn 1140
nngngngnnnn nnnnnnnnnnn nnnnnnnnnnn gnnnnnnnnnn nnnnnnnnnnn gnnnnngnnnn 1200
nnnnnnnnnn nnnnnnnnnnn nnnnnngnnnn nnnnnnnnnnn nnnnnnnngnn nnnnnngnnnn 1260
nnnnnnnnnn nnnnnngggnn nnnnnnnnnnn nnnnnngggnn nnnngggnnnn nnnnnnnnnnn 1320
nnnnnnnnnn nngnnnnnnngn nnnngggnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnngn 1380
nnnnnnnnnn nnnngggnnnn nnnngggnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 1440
nnnnnnngnn nnnnnnnnnnn gnnnnnnnnnn nnnnnnnnnnn nnnnnnnngn nngngggnnnn 1500
nnnnnnnnnn nnnnnnnngn nnnnnnnngg nnnnnnnnnnn nnnngnnnnnn ngnnnnnnnnn 1560
nnnnnnnnnn ngnnnnnnccg n 1581

```

```

<210> 2510
<211> 786
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(786)
<223> n = A,T,C or G

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```

<400> 2510
nntttacacc tngtgctgtc ggccaggggga ggtcaaggct gcagtggact gagattgcac 60
cactgcactc cagcctggat aacagagtnn aatcttgtct ttaaaaaaaa aagnatgact 120
cancagatgg aggancctcc catttgggtct ttcctttccg tttgggtttgt cttccaaatc 180
tcctccagcc tgcctgnatat tcctcagcaa ctcacttcaa gcaccaccct gatcctgtag 240
atgaaccctg cataactttc tcctgtaaca aacacctgag gatctgctgt gtccccagta 300
ctaggggtga ttataaaaca tatatgcagt ctctgcactc atgtttccca cagagaaagt 360
actcattcag caaagttttc taagtacctg taatgtgcaa ggcaactgtc cnagtctgaa 420
gtcatggaga ctgtcatggg cactgcccac agagcactta ccttatattg agggaggggg 480
cagaacttaa gctaataatt caatacttat ttgcttcata atcatnagct gctgngaggg 540
gaaaagtcac atgacaagtg acctagtgcg gangatgtaa cctgggtcta anggggatna 600
ttanaaangn tttccttaac gggagtttcg aaaaccagcc tggggccaac acgggnggaa 660
accccgttt tttagttaaa ntccnaaaaa aaaaaaaa tttnccccgg gggggggggg 720
gnggnccccc tgaattccc aantccncca agaagggtta aggcaaagan naaatTTTTT 780
caanct 786

```

```

<210> 2511
<211> 1526
<212> DNA
<213> Homo sapiens

```

<220>
 <221> misc_feature
 <222> (1)... (1526)
 <223> n = A,T,C or G

<400> 2511

ccccncccc	ccccacaca	cncacacgga	ngnananngn	aaangaaagn	cannacnccn	60
annnnnacnn	angcngaanc	agcctcgaan	ncngaganga	aaganacaca	gnccagagac	120
gttagngnag	aagngnnntt	tacntttngc	gacaccgcac	acgcnnngn	cgngggnaag	180
acnncgcgca	cnacncgna	tcnngcnaac	gcacgngncg	nagngnacgc	ggncgcgacga	240
cnngngcnacg	anggagcacg	anngaangac	ggaggacgnc	ngangacnnn	agannnnnacg	300
nnngngccgc	agcacnccnc	caccngcnnc	angaannacg	gnaccgcacg	acangacgcg	360
acgggnacac	agcanacnng	cggaacgcnc	ngagaacgna	acgncaenta	cngacganna	420
cnagccaagc	gacgangann	acnngnangc	ccancacgac	aggggngncg	cgaaaaggan	480
ancacaancn	cgnaaganng	ncccgaacc	aaaaacgcgc	nnncggncgn	ngacgcgagg	540
nanncacggc	nnanggcgna	ngcnnnggaga	cgagcganag	ngnaaanaga	acngnaaaaa	600
aannnacgcg	cgngagcnan	gcaacagacn	gcgntaaan	agncgncgcg	cnngangcna	660
acggncgana	ccgacnnanc	agccgcnnng	gacncagcac	ngancccncc	agggcctccg	720
cgaccganac	anangnaaac	gannangaga	cgagacacat	acancgccga	gctacnccgc	780
ncanncgna	anagaggccn	cangncncac	acnagcngag	atgccagcgc	cgnagccnnn	840
gcttcgagga	gagncgccgn	acgnngcngn	agagcaaggc	acgnagacan	angcngcgac	900
canagacgac	gcgcatacga	ngnanggagg	nccgagggna	ganggaaatn	nangagcaac	960
ncngncangg	gcgagggacg	caccggangg	caaanagang	angagnnacg	ncncnanann	1020
cgatnnnnn	nacncagan	nancgcaccn	ncgacanaca	taggacnngn	acnacngccc	1080
ngncncgagn	ncacagagaa	tgnaaccagc	gantagcang	naaaaacctc	aatgcaanac	1140
acgacacgcg	acgtngcgcg	cgaacaaacg	cgcgacaggn	cnacgaacga	ganaggagag	1200
aanancacgc	ganaccngga	gatgcggaac	gcgcagagac	gatcatacac	gnncggagggn	1260
ctngcaacgt	aaccgcacnc	gangnnnnng	gcanncgnc	nananannng	ngcggntnna	1320
agnnncgnac	gcnnncngga	nccncggncg	cgtagnagacg	cgnaatnann	naangacncg	1380
cagganacan	ganacgcanc	acaanacaanc	agacgngagc	ncgcannaga	gcacaganac	1440
gnannagagg	nagaacaagg	agcgacacgn	agnganntaa	nggacanaan	acaangaacg	1500
tancgacgcn	aggnnnaggn	nnnccg				1526

<210> 2512
 <211> 864
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (864)
 <223> n = A,T,C or G

<400> 2512

ntantccttt	cgaantccgt	tgctgtcggc	ccgctctctg	taaagtgttt	gcttgtgcca	60
aaagggaaat	aagtggccgt	gggaggggtg	tggtggttnt	ccntgggcan	tccgggancc	120
gaaggccgaa	ctggtccctg	gcgtngggta	agccccttcg	gcccggggga	ngtgganggg	180
cccaccaacc	caaangtcaa	gtttcccttt	cccaccctgg	tggttttctt	ggtttccggn	240
tttttttttt	cctttttttt	cctaataata	tatttttggt	ngggaattct	attttatatt	300
naattctctt	tttctcctcc	aaacacaatg	gcactgctta	tctccgaaat	ggngtgatcg	360
tntcctcatt	gagcaacggn	tgccaccgcc	ctgtgggtag	tggtgtgaccg	tggctgtact	420
gtatagtga	catagtggc	atatctttgt	ttgaagtttg	ttggtgactc	cccaaactgg	480
tgtgaaaaaa	gaaaaaagct	caaaaaaatc	cncaaaaaga	caaaacncnc	aaaaaaatcc	540
tgcttatatt	ttactcagtt	tcaaacctta	ttaagtctat	ttttaattat	aaaaccagga	600
aagctacaat	tttcttttnt	ttccccctca	cccccccccc	acccatttgg	tgggcttttt	660
tggtttttta	aatggccana	aactgttgga	ggtnggggtt	tttttggggg	ttgggntttt	720

tgggtttttg	ggttttgggn	ttttttaccc	ngaaaaaaan	gnaaggggcc	caaggggatt	780
aaangggggg	gaaacccggg	ccccctnggg	gggcncccc	ncaaaactta	aaggggcagn	840
aaaacttncc	ccttacccctn	gggg				864

<210> 2513
 <211> 1484
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1) ... (1484)
 <223> n = A,T,C or G

<400> 2513						
ccnncngcgn	cnatgccanc	nnagnaanan	nncnatangg	gncnnganaa	ggaggnccgcg	60
ggncgacggn	nnnggcgngn	canngnatnn	nnnnnnnnag	aatnaccgng	ccttccaann	120
ccngctgnan	aaagcaaccn	ngngcccccc	annacnnggg	nggngggggg	ggggggnttt	180
ttcccttttn	ancncacnnn	nccngcgaag	nggnnggggg	ggangtanaa	aggnaacngac	240
aactatnggn	ngcgattggt	angaggaana	gnngcnnnng	gnncngggag	nnnggcggcg	300
agagcngcgg	naggnaggn	gcgcgnaagn	gnggacgang	nanggaaggn	aggagggaag	360
gcacgnacgg	gaggacgngc	gngngngagg	tacggaacgc	nacgtggcgn	ggcgncgcan	420
ngggatggnn	tnggaaggna	aagntangga	anggananga	agggatnnga	tggaggngnc	480
gngcaccggn	agagagangt	cgnnnacgga	aaagacncgt	aacgagggac	acgganaggn	540
gacngnnnnn	nagggntcgg	aaaggnaang	aacgnncanc	acgnnnacgn	aanngaagcg	600
naggggaacgt	gaagggacgg	gcanggnagt	nagnggaagg	gagacggaga	cgaangcacg	660
nacnngcggn	ggancggnag	gntaacgtan	cgcacgtana	tggnggggan	gnaagtgtta	720
ggnaaaggcn	ggcgagtata	ngagnggna	gggtgaggan	cganaggtag	gnaangatag	780
nacggcnggg	nnngngngcn	nngangntat	gacgcggngg	aagngangca	ncnaagncnn	840
gnnanggaan	ganggagnga	agggacngcg	gcnaagngcg	caaggnnnca	cnaggngcgg	900
aggtacngna	gngngantgc	nacgnagtgt	acggatgacn	gnngggangn	agtgggaaggn	960
aggnaaggagg	cnaggcngtg	agagggaaag	gagcacngng	ggtnggaang	gngcgganga	1020
aggctngcan	ggangngagc	gtaggcnngc	aanggagggc	cggacgcaag	cgcangaatn	1080
gnngagganc	ntgcgtgcc	ctgngnngcg	cgtangggag	agngatgnac	ggnagnaaan	1140
gtnggcaggg	aanggnacng	aatggncagc	atggnatgaa	angagcgan	ncgagngcag	1200
cannggnncg	atgcgnnccg	ancgacgaga	nngagnctgc	gnagcgngn	ncggngggagg	1260
ngnggngnga	gagnagggaa	ggnatggng	gaangnangg	tacgacangn	acggaggcac	1320
ggtgcgatag	gacggntngg	acngaacgg	acgantgcag	ggcgggtgng	gacgnctgag	1380
cgaagggatc	gcngtagncg	angcacngac	ancangcggg	ggagngacgg	ntnnantn	1440
ngangcacgg	gacgatngna	ggaagganac	gacgcgaggn	cccc		1484

<210> 2514
 <211> 768
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1) ... (768)
 <223> n = A,T,C or G

<400> 2514						
tctcnntcga	ntccgtgctg	tcggaaaatt	gggactgagc	tagagaaaaga	agggatctta	60
aaaccttgct	agagaaaagag	acctgattcc	atcttcaaga	catttgaaac	caaagacatt	120
tgaactggaa	ctaaaagggt	caactcagat	aaactcctag	ttagattgaa	gagatatatt	180
cttactctta	ctcttggcag	gaaacaaagc	actttctctg	ggagaaaata	ttttcttctt	240

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tagtatcctt ttatattcaa tgttttagcaa aaataaaaaat tttgagagac ttgaggagag 300
gaaaaatggga tccgtaataca agagaaacaa tagtgtaaata aaactcatca ataaccacaga 360
tgtttgaatt aacagacaaa aaaaaaactt atgttaaaga atttagaaga aaagatgggtc 420
aaaactggta agaaggtagc aaatttcagc agagaaatgg aaactaaaaa actaaatgaa 480
aattctagaa caaaaagtct atgaagaatt aattgggttg acttattgga gtcagggtcag 540
taaaaataat atgcaaacag aagcncggaa gtagaatgag aaaagagcct cagagacctg 600
tggggcacat taaatggtct aacatgcctg tgactggaat ctcagganaa aanaaatggg 660
gccaaaacaa aatctggnnn nnnaaaaann nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 720
nnnnnnnnnn nnnnnnnnt natttngggg nggggttttt tttaaann 768

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<210> 2515

<211> 759

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(759)

<223> n = A,T,C or G

<400> 2515

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tctctnccgc ccaggatttt ccagtcaaaa gcatattcga gggactaaaa ggacatcaag 60
agggatactt cagtcaaatg ataatcagct atgaaaaaat accttcttac agaaaaagta 120
aatctcttac tccacatcaa agaattcata atacagagaa atcctatgtt tgtaaggaaat 180
gtgggaaggc ttgcagtcac ggctcaaac ttgttcaaca tgagagaact catacagctg 240
aaaaacactt tgaatgtaaa gaatgtggga agaattattt aagtgcctat caactcaatg 300
tgcacagagc atttcatact ggtgagaaac cctatgagtg taaggaaatgt gggaagacct 360
ttagctgggg atcaagcctt gttaaacatg agagaattca cactggtgag aaaccctatg 420
aatgtaaaga atgtgggaag gccttttagtc gtggctatca ccttaccctaa catcagaaaa 480
ttcatattgg tgtgaaatct tataaatgta aggaatgtgg gaaggccttt tttggggctc 540
aagccttgct aaacatgaga taattcatac aggtgagaaa ccttataaat gtaaagaatg 600
tggaangcc ttcagtcgtg gctatcaact tactcagcat cagaaaatnc atactgggtg 660
agaaaccctt atgaatgtna aatattgttg gnaangcttt ttgtttgggg ctttcaacnt 720
tactcgacat cagatntttc attnctgggn gagaaancc 759

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<210> 2516

<211> 746

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(746)

<223> n = A,T,C or G

<400> 2516

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tgtannnagc ncttgggatg cnatgaaatt cagtataaaa ttgaatagaa gtaatgttaa 60
tggataatct tgtcttattc ctggtctcnt agaggaagtt tttaaatatt taatatgaaa 120
tacattgttt gattgggttt atttgcaaaa atcctttatc agatttatta agttcccttt 180
gttttttaat ttattatgtt ttttaaaaaa catgaatagg cattgaattt atcacatatt 240
ttctgttatt gaatggataa tatggatttt tatcctttta ttaatagcat gcattatatt 300
ggntgatatt ttaatgataa accaatcttg cattcttggg ataaactcag gttgcttatg 360
atgtataatc cttctttata tcattagact tagtttccta acattttctt tacagttttt 420
aaatatatgt ttatgataga aacgccgttt ctacagaaaa aaataattat ttttaaaggg 480
ataagttatt gggcttagac ttagtacctg aatgatgaaa taatcggtcc acaaaccctt 540
gtgacatgag ttgctgttat aacaaacctg cccatgtccc ctgaacttaa aaggtaagaa 600

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gccacacacn ccncacaga tgccccaccc cacacacgcc caaagaaatt ggcttttaac	660
tttccattct tataagctct ancngagttg gcatcaaggc tatnctggct ttatatagaa	720
ggtaanaaag gggacttttn tttatt	746

<210> 2517
 <211> 727
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(727)
 <223> n = A,T,C or G

<400> 2517	
ttactttncg antttcggtg ctgtcgcgca gaccatggca gcccgcgccga cggttcgcgc	60
ttcgacaacc ccaggacggt ctccagacgt cccccagccc aggcgagtcg gcaagcaaaag	120
gctacgaaaa gaaaatacca agcgtccagt gaggtcctcc cagcgaaacg gaggaacgaa	180
acttcatttc tcccagccaa gaaaactagt gttaaagaaa ctccagaggac ttttaagggg	240
aacgcacaaa aaatgttttc tccaaagaag cattcgggta gcacaagtga tagaaaccag	300
gaggagagac agtgcattaa gacttcatca ctgtttaaaa acaaccctga cattccagaa	360
ctccacagac ctgtggtaaa gcagggtgcaa gaaaaagtgt ttacttcagc tgcttttcat	420
gagctggggc tccaccacaca tttaatttcc acaataaata ccggtcctta aaatgtctag	480
tatgaccagt gttcagaagc aaagtattcc tgtgttgctg gaangcagan atgctctcgt	540
gagatcccag acnggctcag gtaaaactct tgccatttgc atcctgtggg ccagtccttc	600
aacatggatc aaaaatcang tttactgtat cacatttaca aganacagag cttaggaagt	660
aataccaagc ntgccagta tggaggactg gttnctnctag tctgttgntg anaacaactc	720
ttnttttn	727

<210> 2518
 <211> 1451
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(1451)
 <223> n = A,T,C or G

<400> 2518	
acnancngcg gnnngcnggg cngnnnnnnn ngncnnancn annncannnc gcgncggcgg	60
agcggcacgn gggccgcang gccgngngng nnnnagcgac gccnagncgg aannacnnnn	120
nnnnnnnnnn nnggtcgcng nccgngnncc ccgnntcgaa nnnngngang acgggcgcgc	180
ncgcctnggc cccccgcgcc gcgagggggc gggggggggg tttttncagg ngncncngng	240
ccnngngggg ngnnncgggg gangcnggg angcnangnn gagcggggac ancagggnag	300
gcnagngcg gggcggaacgn ggcnnccggn gncgncngg anncgaggg gngnngggga	360
caacncncnc cgnngggggn ancncgggg cgcggnnanc cacgnanncg ncaggngggg	420
cgccccgggg cngnggccng ngggnnnggg ncgcnngng gagcggggca angcgggncg	480
cccgnncggc nccgggcgag nccccncgg gnnccccgn gagagccgnc gccnancncg	540
nccgacgagc ggnegncggn angnacncgc gngcagnngn gacganaacc cngngcggcn	600
cncaggcggc gccgcggcnc ccgggcgang cgggngnngc ccggacnncg gcanggagcg	660
cngcgcncgg nannncnnn gacggggcgn cgcgcncggc gngnagcnan acncngngtn	720
ggcaangcgc gcgngngncc gcncaagang gcgcncagnn gngcgcgncg gannngcggcg	780
ngcagggacg gacgcgncag cncggcgacg cngtncnnca cccncggcgc ggggngcgcg	840
cacgngncta gaacgcacnc gngggacggg gngggngcgc cnacggncgc cccgtnncca	900
cgcacnnccc gccgancnna ccggcngngg cncgncgcag nanangngnn gccgcgangn	960

acagggggag	angacggcgg	ccgnaaggc	cntnncngag	gacganngca	cacgcacggg	1020
anagggangn	gcgnngcgn	ggngnggng	cnnngggngg	nacnccgcgc	ccgnanangg	1080
gaagngcggn	cccngcgcga	ggctnancga	cgnnncgngg	ggngngntcg	acgcgcgggg	1140
gnggcatngg	ncccgcnat	ngaagcncgn	gnnagcgccg	cccaggcgna	cgggngangg	1200
naacngncgn	gggcaacgaa	tgngngcgg	gaannggcna	cgnacnctg	tgccgcnagcg	1260
ngngcccgcc	ncnagcntna	gccgggggac	ngacnaggg	gcacgggnga	cccgggacan	1320
tnangaangn	ncgcnngncg	gncagggcacn	ggngngcgcn	gnggncgaa	ngngngcga	1380
nggnacggac	gngcgaggga	cangggctcg	cggnaaagnn	gggnagcggn	cggnncggg	1440
cgngggcncc	g					1451

<210> 2519

<211> 1459

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1459)

<223> n = A,T,C or G

<400> 2519

cggnnnngng	ggnnnggngg	gnngggggnn	nnngnggngg	gggggggggg	ggnnnnnggn	60
nnnnngnnnn	ggnnngngnn	nnngngngnn	nnngnnnnng	gnnnnnngnn	cgggngggng	120
ngnnngnncn	ngngngngnn	ggggngngng	gnngngngnn	ngnnnnngcn	ngngngngnn	180
nggnnggngg	gngcngngnn	nnnnngggnn	gnnnnnnnnn	nnnnngggcg	ntgaaccct	240
ttgggnaacn	cccnnnnnnn	ccnnggtggg	gcncngngng	ccggcncccn	ccgagntngn	300
nnnggggggg	gggggggggg	nnntttttng	ttncgggcnn	ccggncnncn	nggggggnnt	360
gggggcnngg	gggnnggggg	gggncttttt	ncctnnnggn	gggnnggggg	ggngngcggc	420
nggcggaggg	gcgggncgan	gacggctgtg	ngggggngng	ngctngnggg	cgagngngtn	480
ngggnggggg	ngngngcngg	acggcggtgg	ggcnggncna	gggggggggg	ngnggannng	540
nggncgtcnn	ggcggtntnn	ggggggnggg	ggggnggggt	cnctcgangg	cnngcggggg	600
ngntgcncgg	gggctggncg	ggggnggntg	ggggggggcn	ggcgngnggn	nggagngggg	660
ggtntnnggc	cggggggggg	ggngnanggg	ncgntcnnnn	gnnggggncg	angggnga	720
gntggngggg	gnnccgngng	nnnnngggnn	nggggggggg	ngnggggngg	nanacnggga	780
nnngngcacn	gggggggcn	nnccgngnnc	gcgggggtgag	aggggtncgg	nnacgggggg	840
ggngggangn	gtgggggngc	agcnnncggn	gngtngngng	cgccgcnngg	ggcnnnnngg	900
ngnggggggg	ncggacncgn	cggcggcgaa	nggngngggg	agatgngngg	gtgncggncn	960
ggggngggnn	ggcgnnnnng	nggngngncc	ccnngggngg	nggnggggga	ggtgagcgaa	1020
angtgggggn	cgctgggggg	ngcnnatacg	gggggggggg	gggggggggn	gggggggggn	1080
ntgngggggc	nnccgncngg	gnggggngng	gggggncggn	cnnggggngg	cggggggngg	1140
nnngacnggg	gngctnggga	gggggggngg	gcnnngggng	ggnnngtagg	gnncgggggtg	1200
cgnagnaggg	gcgncgngng	ctagggggng	ncgnnaaggg	ggcgggggag	ngacngngag	1260
ggatgngggg	ggggnggngn	gnggngngng	ggacngnggg	gngccnggga	ggagcggaca	1320
taggnaaggg	ggggacgtng	cgcggnagng	ntgggncggg	gggnggtggg	aacngggggg	1380
cgncnccggg	tggggggggg	ganggctcgg	ngngacgtgc	gggatgcggg	cgcnngganca	1440
acngngngng	tgcnngnccg					1459

<210> 2520

<211> 757

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(757)

<223> n = A,T,C or G

<400> 2520

agnntntnecg	accntntecga	ntccgngctg	tcgnnnntgt	gnangctacc	tgtnggaacn	60
tgnncaatgn	ncanncnac	atgngtnggn	tgntaccgc	acaggaaatg	acnttctnecg	120
atgcatgntt	nanccatgcg	cgggtgattc	tgctagattt	ccctaccta	tggtgaaaa	180
acttggcatt	catcccagca	gctgccatgg	atggattttg	ggggaacatg	gcgactcaag	240
tgtggctgtg	tggagtgggtg	tgaatgtggc	aggtgtttct	ctccaggaat	tgaatccaga	300
aatgggaact	gacaatgata	gtgaaaattg	gaaggaaagt	cataagatgg	tggttgaaag	360
tgccatgaa	gtcatcaagc	taaaaggata	taccaactgg	gctattggat	taaaagtgtg	420
cttgatctta	ttgaatccat	gttgaaaaat	ctatccagga	ttcatcccgt	gtcaacaatg	480
gtaaagggga	tgtatggcat	tgagaatgaa	gtcttcctga	ccttccatgt	atnctcaatg	540
cccggggatt	aaccagccgt	tatcaaccag	aagctaaagg	atgatgangt	tgctcaactc	600
aagaaaaagt	cagataccct	gtgggacatn	cagaaggacc	taaaaaacct	gtgactaagt	660
gagctctagc	ttgtagaaat	ttaaaaacta	caatgtgatt	aactcgagcc	tttaattttc	720
atccatgtac	atggatcaca	gttgnttttg	atctttt			757

<210> 2521

<211> 1178

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1178)

<223> n = A,T,C or G

<400> 2521

nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	60
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	120
acnccctttt	tttgggaaac	ccccnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	180
nnnnnnntnn	nnngnnnggn	ngncgngng	ggttttnnnn	nnnnnnnnnn	nnnnnnnnnn	240
nnnnnnngnn	gnnnnnnnng	ngggnnnggn	ttnggggnnn	nnnnnnnnnn	nnnnnnnnnn	300
gnnnnnnnnn	nnngnnnnnn	nnnnnnnnnn	nnngnnnnnn	nnnnnnnnnn	nnnnnnnnnn	360
nnnnnnnnnn	nnngnnnnnn	nnnnnnnnnn	nnngnnnnnn	nnnnnnnnnn	nnnnnnnnnn	420
nnnnnnnnnn	nnngnnnnnn	nnnnnnnnnn	nnngnnnnnn	nnnnnnnnnn	nnnnnnnnnn	480
nnngcggagn	nnngnnnggn	nnnnnnnnnn	nnngnnnnnn	nnngnnnnnn	nnngnnnnnn	540
nnnnnnnnnn	nnngnnnnnn	nnnnnnnnnn	nnngnnnnnn	nnngnnnnnn	nnngnnnnnn	600
ngannngnnnn	nnnnnnnnnn	nnnnnnnnnn	nnngnnnnnn	nnnnnnnnnn	nnnnnnnnnn	660
nnnnnnngnn	nnnnnnnnnn	nnnnnnnnnn	nnngnnnnnn	nnnnnnnnnn	nnnnnnnnnn	720
gnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnngnnnnnn	nnnnnnnnnn	nnnnnnnnnn	780
ngcnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnngnnnnnn	nnnnnnnnnn	nnnnnnnnnn	840
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnngnnnnnn	nnnnnnnnnn	nnnnnnnnnn	900
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnngnnnnnn	nnnnnnnnnn	nnnnnnnnnn	960
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnngnnnnnn	nnnnnnnnnn	nnnnnnnnnn	1020
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnngnnnnnn	nnnnnnnnnn	nnnnnnnnnn	1080
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnngnnnnnn	nnnnnnnnnn	nnnnnnnnnn	1140
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnngnnnnnn	nnnnnnnnnn	nnnnnnnnnn	1178

<210> 2522

<211> 813

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(813)

<223> n = A,T,C or G

<400> 2522

atntnttacc	cctttcgant	ccgttgctgt	cggtttatat	ccaggatccg	tgcttttcca	60
ccgggtgttg	tgggccccaga	ggcagcccaa	ngagtgggtg	tcttctgtcc	agatgagcct	120
tggtgcccag	aatggaaaag	aatcaggca	tcggcctaag	aggaactgaa	agcaccacca	180
actctttcca	gggccctcat	tttgaataga	attctctctg	ggtggcagca	gactcagctc	240
tgggacattt	tgctccacc	tggaccttgg	aggctgacag	tggggagggc	tgggcctaga	300
ggaagagcag	aaatggggaa	tatttgaag	cgagggtctg	tggacacaga	gacctcctgt	360
tgggggtagt	acgtggagac	agaaccctgc	ttctgggcat	cctggggtag	tactcacagg	420
ggcagggggc	ccangcatct	tgccagagcc	aaaaataatg	agccaangct	cacatccctg	480
cagttggctt	ctcaatcacc	gttcagtacc	ttctatgacc	cccaagtaca	agggtgncct	540
taaccatttg	tcaaatgcat	tnactnttc	ttctttttc	ccaatttcta	aangggttct	600
ttgggaagtt	ccatcttgaa	cctgtggttt	tcaactttgg	aaccgaaaat	gttttaagga	660
aatttngggc	caaggaaaaa	aactacttcc	nttcattggg	taagcccttt	gaatgggaaa	720
gggttttttc	ttgaaaccaa	gtngatttta	aaaatcccca	ttggggggng	gggtttcccc	780
aaaaaaaccc	ttncnttttt	natttaaacc	ttt			813

<210> 2523

<211> 1619

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1619)

<223> n = A,T,C or G

<400> 2523

cncccccac	ccncccgac	cccnacnna	ngggannann	nnaannnnnn	nnccnncngn	60
ngnnnnccgn	naannnnnncn	aacnangnaa	ccgnnnnancn	ngnnnnnnnn	cnnnnnagnan	120
aggnaanagg	aggangccgg	ncngcanncn	cgnnnnccng	nagcgcngcg	cagccggacn	180
ngngaggnnc	cnngcgnngc	ggaanccacn	gcgcnangcg	ganccgnacnn	gngnngaacn	240
caccnncnncn	nnccnncnncn	tcgggatacn	ggaaaaccct	ttngngaaaa	ancccnccca	300
ngnnngacac	aagaagncnc	acaccangac	ccccnncccc	ancngcngcn	ancagcngn	360
gngggccaat	tcnaccct	cncnaagag	cncaacgncg	ccagnnncna	acnggcncag	420
naccnngnag	gancaannac	ganaaaanng	nacgcccngc	acagcanncg	nacgnnncac	480
gcncnngnec	accncccgcn	ggggnnggan	annccacgnc	gcgacgnaag	ccgncgcgca	540
cggcacnacg	accgcnccca	cgncccgacg	naggcggaag	cacgcgcgcc	gngangacan	600
ncngnagnng	cgngncngag	cgcanacgnn	acncnangca	naccngancn	gagcacnacg	660
cggcncaccc	nncccgagn	nncaaaacnc	nnccacnagg	ancncgcnan	cccgcgcnc	720
cngcgnccga	cgncgcanng	nagnacnccg	cgaccaagcg	nccgcngcga	ngaacgnnag	780
caacgaangc	ggcgcnngcg	nnccgcnnga	ncnaacggac	gcacgcgcna	cagcngcng	840
nagacggacc	nggngacac	cncagnnccg	ncncgagacn	ncgcnngcc	ggcgaacgac	900
cncgcccggg	nggggcacgc	cacaacgngc	gcncnaccga	ccnggcncna	nnnannnaag	960
caggaccgca	gagaacgnaa	cgncagacac	gacanacanc	gagggngacc	acgcacagcc	1020
gngcancnna	gcnacngngc	gncaancaca	cgcgagcgnn	cgncgcgagg	cnacgctngn	1080
gnacngaach	aaacgggacc	gcggggacgn	cannacacga	nnncgcacgc	gngcngcgac	1140
ncggcncggg	angcgagaca	acgaaagcgn	cgnnanngca	acncnacgcn	cccaaagcac	1200
acgnaanggc	ncaggagngg	ccnanaaann	ganacctgcg	cacgngngcg	caccgagacg	1260
agcacgcgag	acggccngcn	gagggnaagc	gagacgccaa	caggcgcgcc	gacgagcggn	1320
ccncagnccg	aaccgnagna	accgggggac	gnncgncgnc	gcgagcgca	cgcnnnaccg	1380
agacgcaccg	aancacaccg	acgacgcac	gcgnagccaa	aacganaag	gngggcnacc	1440
ggacaggnaa	nggancgaac	agcnacgcca	ccgnacgnaa	cgcaccgcac	gggacggcnc	1500
gggacganac	annnnaangn	agncannccg	gcgacgggaa	acgncgcgt	acgcagnngn	1560
aaancggnan	cgcacngcgn	ccgggnacac	gncccgcaac	gnanacggac	gngncgcn	1619

<210> 2524

<211> 756
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(756)
 <223> n = A,T,C or G

<400> 2524

nttttacnt	cgnttcganc	cggtgctgtc	gaatctgtaa	acctttatga	cattaggaac	60
taagaaaact	tagtcccttc	gtaggggga	taatgaaatg	tatttagtgt	ttgtgaaaca	120
tagatgggta	tgtatttggg	acaattctgt	aactttgctt	tttttatttt	tatttttcca	180
tagcttattg	gggaacaggg	tggtgtttgg	gttacatgat	taaagttcct	tagtgggtga	240
tttgtgggat	tttgtgggac	ccatcaccca	agcagtgtac	actgcaccct	atttgtaatc	300
ttttatccct	cgccccctc	ccaccatgcc	tcccgctctac	catgatgac	ctgtttttaa	360
taagaaaata	ccatttcgca	ggctccagat	gttctggcat	cctccctgtg	gatttcccag	420
tgcttgagc	tcacaggaca	acaggggctg	tggtagagtc	acctatgaga	tcctggagta	480
gtggatggag	gagatggaac	agtgaagacg	gaaactgagc	tcagtatccg	ggtgccagga	540
gacaaaggcc	ctttgctttt	tttcatttaa	tattctgac	taccctgtt	gacacatgtt	600
aaagtatagt	cattttgact	gctatgtatt	atgttccatt	ggggggaaca	tactggaatt	660
gtcacttcaa	tctatactgg	atctcctggg	tgtattttaa	aggtttngtt	tttttaagta	720
gttgggtatt	tccaactnaa	acctcaaaaa	actttt			756

<210> 2525
 <211> 740
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(740)
 <223> n = A,T,C or G

<400> 2525

tntntnccgc	tntcgcgatn	ccgttgctgt	cggagaaacc	aaacaggtaa	aagcaagtgg	60
tgaagccaca	tggattaatg	agatgataga	aagtacaaaa	tcactatgta	agtcagatta	120
aaaagccagc	ttgcactctc	tgctttcatc	tttttgaagc	aataactatt	acataaatca	180
gtgaatacag	tatttctaca	gtatttgaaa	cgggtgtcac	acccagcaat	tccacttcta	240
gacatatatc	caagagaatg	gaaaacatgt	gcacacaggc	acttgtagat	gaatatttat	300
ggaagcatta	ttcacaatag	ccaaaaagtg	gaaacagtcc	aaatggccat	caagatgaat	360
gaataaataa	aatgtagtgt	gtgcatgcag	tggaatatta	tttgcccata	aaaagaaatg	420
aagcactgat	gcaggctgca	acatggatga	acttgaaaagc	tttatgctac	gtgaaagaag	480
ccagtcataa	aaggtcacct	actgttatcc	ctttcatagg	aaatatccag	ataggcaagt	540
ccatagagac	agagaggaga	ggagtgggtg	ccaggggctg	ggcaaggaga	atgagagtga	600
ccgctatggg	tgtggcattt	ctttgtgagg	naatgaaaat	gtctgtttag	atagtgggtga	660
tcattgcaca	ctctgtgatg	tctaaaaatca	ttgattgtca	cttgaagaat	atttagttgt	720
attatttctag	ttaaaaaat					740

<210> 2526
 <211> 722
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (1)...(722)

<223> n = A,T,C or G

<400> 2526

gagggctatg	tccatgcggn	cctcaaacna	cgtaacatat	tgtggagtgc	agagaatgaa	60
tgttttaaac	tcattgactt	tggacttanc	ttcaaagaag	gcaatcagga	tgtaaagtat	120
attcagacag	acgggtatcg	ggctccagaa	cagaattgca	aaattgcttg	gcccangctg	180
gcctgcagag	tgatacagaa	tgtacctcag	ctgttgatct	gtggagccta	ggaatcattt	240
tactggaaat	gttctcagga	atgaaactga	aacatacagt	cagatctcag	gaatggaagg	300
caaacagttt	ctgctattat	ttgatcacat	at ttgccagt	aaaagcaant	ggatgaatgcc	360
gcaattccag	cctatcacct	aanagacctt	atcaaaagca	tgcttcatga	tgatcccaag	420
caggaagaat	ttctnctgaa	atggcattgg	tgcancccat	tctttagcna	ttccttttgc	480
ccctcatatt	gaagatctgn	tcatgctttc	cactccagt	gctaagactg	ctgaatgtgc	540
tggngtgatg	attatcttga	gaatgaaaga	aggattatga	agatgttgtt	gaagatgnta	600
aaagaagaag	tggcaaaaat	nttggaccag	ngggattctn	tacttggtnc	caaaaggaaa	660
aatccttggc	annaaggana	angtctttgg	ttgagtattg	ccaaatgctg	gnngatttcc	720
ct						722

<210> 2527

<211> 1163

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1163)

<223> n = A,T,C or G

<400> 2527

gggnnggggn	nngnggggn	annnnggnnn	caannanang	ngnnnnnnna	nnnnnnangg	60
naanggnngg	ggnggggnaa	ngaaaannnn	nnngcnnaan	ccnnaggggg	gagaagnann	120
nnnnnanggg	nannaaann	gncnggan	ggnanggnna	aannnnngaan	ggngngngng	180
annnccgana	aggncnacgg	annggganag	ggnnnnnggan	nnnnnncaan	nngangggag	240
anncgnnnn	anccannnnn	nnnnngnnnn	tcgnnancn	naaagccct	tnccgggnaaa	300
gnncnggggg	gggggancaa	ggganggacg	gaccgcngca	cagaggccac	caccanacnc	360
gaccnnagg	ggagggaaag	ggacgccnnt	nnnttccan	gcnggaagag	gancgcgncg	420
cannggggg	gggaggggga	nanaggngcn	nggnnagcnc	acngnnagac	ggngcnngng	480
ggagggacgc	aggagacac	ngncgagana	gncaggcgcg	cagagcnagg	aagcgcnccg	540
gggggggagc	aggcgaanag	gcagcnnaag	ggnccatcgg	agagnggncg	ccaggcgacn	600
ncggcgcneg	gcnnagnncn	nnngnangana	nagccganga	ncggnncccg	ncancgncga	660
gcacaggnng	agcgggagan	ngngnngaa	cgngcgngg	cacgggggcn	cagganangg	720
agggaccgca	ngaccangnn	agagcnnggn	ggcagggggg	cnngganaan	cacnggnaaa	780
gncccgccgg	gaaggggnanc	cnccggnggg	nnccnccnnn	nccngngngg	ggggngcnnn	840
ggcnngggng	ncgncnncg	gnncgccnnn	nngcacggac	cgccacacgn	ggacgagagg	900
gcnaagcggg	gccgnaggng	ccgngnngcc	annaagacag	agcgcnggga	nganangggac	960
ancgggagag	naggggagng	gnncgcncac	gngcggngac	ggnggagnga	gacggggagn	1020
ngncnannca	nagcngaagg	ggngcgggnc	gannggggnn	acnccggnga	ngagnaancn	1080
nnggggcneg	nnncgcnng	aaannnggga	gnaccgngna	ggcanangan	cgnannnnnaa	1140
gaaaggngaa	nanaccccc	ncc				1163

<210> 2528

<211> 1347

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(1347)
 <223> n = A,T,C or G

<400> 2528

nnngnnanan	nnnnnnnnnn	aaanngnnnn	nnnnnnnnngn	nnnnnnnnnn	nnnnnnnnnn	60
nnnnnnngcn	nnnnnnnnnn	nnnnnnnnnn	nanngggnnn	nnnnncnnnn	cnnnnnngnn	120
nnngnnnnngn	nnagnnncng	nnnanngnna	nnnnnnngn	ganngggnnn	ngnnnnnnnn	180
nnnncgnnng	nnannnnann	gcannanan	nnnnnnnnnn	nnngnnnnnn	nnntccntaa	240
tcctnnaaaa	accccttttt	ggggaaaaaa	nccccnnna	nnnnnnnnng	nnnnngnagg	300
gaancnncnn	ngcncgcnnn	ttnnntnnnn	nnngngcgc	nnatnnann	gcgnnnnatn	360
nccncttttt	ttttttttcn	nnnccgnnan	nnngannann	aggaggagg	nnngtttag	420
agnngngcnn	annagaaacn	tttttnacna	nnccganncn	cgnacngcn	gngnaann	480
gngngacnng	acngncnaga	nnngcngana	ngacncggan	gacagnnacn	cannnnnggan	540
gnnccngacng	nnccnagnag	agancngca	gggacaagcn	ggggcgcgga	nnanangcga	600
cggnnnnnagc	nccancana	cnancngnn	nnngcagnaa	nnngnccgaga	cgnnagagan	660
aagagngacn	gagcnnngtc	annccggcna	ngnnngnacnn	ggngnggna	ggcgcgacgc	720
gagnangaga	nnncgaanga	cganggnnnn	nnngcagggn	ggagacnacg	nnnnnnnnag	780
nnnagcnggc	angaannagg	nnccnganna	ngaaggaaac	ggcgagnann	nnaccgancg	840
annaangann	ganacngngc	nnngcaagna	nggtngnana	ngnnnnngga	nggcangcan	900
ggnnangnaa	nnngannnga	nnccnaaggc	nnngcngann	annngcangc	acnnngnacng	960
nnangacaaa	nganancgna	agggaaacgg	ggagcggnaa	gcggnaaacna	agcgcgngn	1020
ngcacaangn	cnnnggcggn	gcannangga	cngngnccgn	acnagnnnng	acngngaang	1080
cangacnaac	gngnnnggaa	agggnggagn	annnnanggc	aacgnnnnng	gnnccggnnag	1140
ncanggnanc	ggaacngaa	ngnanangna	gggcaanana	cgcgnaancn	angnnncgca	1200
cggcncagca	ncgnnngcnn	annnnngcgn	ccnnngaac	gnangnanac	gcaaanancg	1260
nnggggancg	angntcgcac	ngngnagnca	gnangnagg	acngannnat	ggannngann	1320
acgganggan	ngaancncag	acngngcg				1347

<210> 2529
 <211> 1126
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1126)
 <223> n = A,T,C or G

<400> 2529

gnnccgnggn	ngngngnnng	gnggggngg	nnngngnnng	nnnnngnnng	ngnnnagggg	60
nnngnnnggna	nnnnnnngnn	nnngcnggg	nggnnnnggn	nnannnccg	ggggnnngtn	120
nnngggcngga	nggnnnngng	gngggngnag	gngcngnnng	nnngnnngnn	nnnnnnnnnn	180
nnngnatntg	ntttttngga	ccttggggna	gncnggcngn	gnggggcngg	agnggcgtng	240
ggngggcgnnn	gncnnngggg	gggcngggg	nactttntn	gggttttag	gcngccgcng	300
gnnccgcggg	gggggagcgc	nagggnggng	ggngcgggtg	gngggngtag	ccgngggnga	360
gagggggagg	cgggnagggn	ggngnggggn	ngcgagaggc	aaccggtga	agacgaggca	420
ggggantggc	ngnggncgcg	ngnnnggcgc	ngcgcgcgt	gtcngggggg	aggggngggn	480
nggcagggng	gcgcggggg	ggggcgggg	nnngggangn	gngggangaa	ggcncggggg	540
gggncgagct	tgannggg	gngngggaat	ggcgnnctgg	ggaggccggn	gttgngggag	600
cgnnccgggg	gaggggggag	ctgngagggg	ggggcggang	cggcgnngan	nggagngngg	660
gngggggggn	ntnccangan	gggagggcgg	ggangaggnc	gntagaang	gnatngccgg	720
gtggggcagg	ggnggganga	ngggngtcgg	gtnaggnggg	tggggggggg	aggngngggg	780
ggnccnngg	ntggagggg	ngnnnnnnnn	gagggngggg	ngacnagggg	gnnnaggggg	840
gagaaggngg	ggtagccggg	gnannncgcg	gcggcgatt	gngcgaggga	nagggnggga	900
gggggntgga	gggggngngg	gnggcggcnc	catgngggg	ngggggtngg	gagggcngn	960

gaggaggngg	gnnggggggg	ntgcannagc	tangngggag	atcggggngn	cgnnngtgan	1020
gnacgggan	ggtgnnagng	anagngtgng	ngnggcngag	cggggtgngg	atngctnagc	1080
gnaggagcgc	gcgtgttnag	nacggcggaa	ggnggcggg	ggagcg		1126

<210> 2530

<211> 989

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(989)

<223> n = A,T,C or G

<400> 2530

gnnnnnngnnn	nnnnnnnnngn	nnngnnnnnnn	nnnnnnnnnnn	ngnnnnngggg	gnnggnnggn	60
gnnnngnnng	ggngnggggn	nnnnnnngnn	ngnnnggggn	nggnnnngnnn	nnngnnngnn	120
ngnnnnngnnn	nnnnnnnnnnn	nnnnnnnnnnn	nnnnnnnnnt	ggngngtcgn	gagacccttn	180
ggggngnncc	cgggcngncg	gccngngccc	ngcgcgggcn	ggggnggggn	ggnggcangg	240
ncaggcgggg	cngctgcggg	gtcctgccccc	nccnncngag	gacncggncc	nnccgggnncn	300
gcggcgngnn	ccagggcngg	nggggcngng	accngggccn	cgacnnccnc	ngggannccn	360
gcgcnagcgg	cggggncnnc	nggcgggaca	gngcgcnngc	ngncnnngng	ccnngggaca	420
nagagacggg	gccncggngg	ccccngcgcc	gnggggngga	gcccnggggn	ngnnccnncn	480
gaccnccng	ggngngggga	cnggggnccc	cnggnngggg	ggggaccaag	gancccgcc	540
ggcncggngg	ggggggccag	ccncccnncg	ggcngngggc	cgggggggcc	cgnggncggg	600
cgnggcncnc	nnngcccngg	cccnggnccc	nnngcggggn	cccnggggn	ggnggggggn	660
ggaagcagnn	gncnnnccgn	cgancgngng	gggggncngg	ggnnnagggg	gnggnngggg	720
gcncnccng	gggggggncg	nnngggnggg	gggggggana	nggcnnnggn	ggcggnnggg	780
gcccaggnnn	ncgggcggng	gncnnngggg	ccnccccnn	cngaggggna	nggncnngg	840
ggggggaggg	gnggngngnc	cnnngngnnc	gnggngggnc	gggngggggc	ncngganacg	900
nnnggggggn	ggccgggggc	cccngccngg	gnggggggna	naagcnnng	nnngggggng	960
gggggggggg	ccnccccnc	ncccnngcg				989

<210> 2531

<211> 751

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(751)

<223> n = A,T,C or G

<400> 2531

ttaatcttac	cccttnccgan	tccgtgctgt	cgcttgtaga	gtattttctac	tttttattct	60
aatcaactgg	actgttgcat	tatttttatg	tagattgcta	acaaggtttt	tgaagaaaca	120
ctcttaaaag	tcataaaaagg	gaaaatcttg	acagttcttg	gatattgcca	cccttgacct	180
tttgagaaa	tgtagacagc	atctcccagg	catgacgcct	agggatcgtg	tttatctgtc	240
atcagttggt	gactccatgt	ttattgagca	ctggctataa	gccagacttg	gtgagggact	300
gaaacaatta	caagacacag	ttctgcactg	gaagaaatag	gaatcaacct	aagatttcct	360
gtcctgctag	gtcatcaggt	tctgtgccca	ctactttcct	tcctctacca	aattcactta	420
tagcctccaa	gtagtgtaac	tatcaatagc	acccctttca	ctcccaaag	tgctcctaatt	480
tggagagtaa	gttgtatgat	caccctacct	acagtctgcc	tgttttccaa	tgcacacttt	540
gtctctcccc	tgctcttggt	acatgtgtgt	cctgaggcca	ctttccagat	ggtcttctcc	600
tgctcattact	ccagcatgtc	antgctttgc	tcaaaaactg	ctaactgggg	tcttcattgn	660
gggtaataaa	tccattttct	tatatcatgt	agccnaaagc	tctnttccaa	tttggaataa	720

ctaanagtaa ctccatttca tgaacaggac n

751

<210> 2532

<211> 708

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(708)

<223> n = A,T,C or G

<400> 2532

ntcccaaaaa	tttgcttgat	cttgggtctt	gttcagggca	gaaagagata	atacaaggct	60
ttggtgatgc	ttagcatttt	agaagaagta	atgctgggtg	ggaaatggat	ttggcagtct	120
cgtttttcgc	atcattggaa	tgggagtcct	tcacagttgg	agacaggatg	aagtaacaga	180
gcgtggggat	ctggattaac	agggtggcat	tcgcagaaaag	gaggctgcaa	agcaagagggt	240
gggggcttct	ggctgagcag	gaagtgggag	aggggcatcc	ttgtgaggag	cacctgtagt	300
gctgggggtt	gggcacaggc	aggcagagga	ctttatctga	tcattctcaa	taattttgcc	360
tctgcttggg	agggttctag	ctacaaaaggc	aacatagcag	gtagtgtctg	ggtgtgatgg	420
tgataggcac	agcggtat	ttaaatactgg	tggtagat	tangaaaaag	aangtgacga	480
gtncctgggg	aaagtccctt	gtgggtggcc	atgactcacc	cgtggcccca	aggggaccag	540
aaccagaacc	aaggaagaa	ttccatcaac	cgaatgggaa	acctttgtct	tttttaaggg	600
ggaccaagga	aanctttttt	tttgtgttgg	gttgggccct	ggtnggcntt	attgaaggaa	660
gaagggtggg	canttttnaa	acnaaaaacc	ccanggcccc	nttttttt		708

<210> 2533

<211> 1199

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1199)

<223> n = A,T,C or G

<400> 2533

gaatagtgtg	aaaaaccccc	aaantntntn	naatttccgn	gaaaanattt	cccccggttn	60
ttgggcnttg	ggttnccgan	aaaaaaaaan	tttttccncc	caagnttatt	ccanccccc	120
nctttacgag	cntnggtggg	tttttctttn	ccaannggan	natgggaacn	cgggnagnnn	180
ngngngctan	taataaatta	nnatacnatn	nnnagtnttg	gannataata	tanannaacn	240
annnattacg	gnggagtant	tttnttacta	tnaanancan	atntgtnacn	ntactnaata	300
ttgananatg	tnataaatta	aatagaacaa	tattnnnatt	ntaaaaggaa	naaaatatna	360
ttananatna	anagnnngaa	gtanaataat	aanataattn	nntatnatte	tatggaatan	420
aattanaata	taactnaatn	ntntaanana	ganncttaca	atctctntgt	ntatatnana	480
anaatcgaaa	attattactt	actanatata	aantatntan	tcattnttna	aatntnaata	540
tanatatcnt	tacaatanat	nattattaat	aacttaana	aacananc	ntatantttt	600
atancnanat	aatacanana	anatttgatt	nataatnana	tannnaatta	atttataata	660
tatantttat	nannataaaa	nnatntatna	nattntnnan	aaatatangn	anaantactt	720
atatacnana	atanttaaaa	naaatatcna	ctantaatag	aactacattt	atttanatca	780
ttcatnnant	tttcatagan	anntatnaaa	tcntattatt	nacanntnat	ttaatttana	840
tnataaactt	tantatnttc	tacnnataac	tannntaaaa	tnatatnnan	ttattnnan	900
aanatanatc	tantataaat	ananntanat	aataaattta	atnttactna	ntatatatat	960
tnataagctn	ttnttatata	tagatnatan	gaacnnantn	atattnnatt	anaanataan	1020
nanatatgta	tatatana	ttacntnttt	catatataat	ntntnttnac	atatatnaat	1080
ntatctatct	anttcacaa	tactatttna	tacaattata	aacattatnc	tnnatttnnn	1140

naaatatata ttatnantaa ntntntctct annntatana taantatana anntttnt 1199

<210> 2534
 <211> 709
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1) ... (709)
 <223> n = A,T,C or G

<400> 2534
 naaccnctg cgantccttg ctgtcgaaaa gaacttaaaa cgttcccaca ggcccntaaa 60
 agtcttgtga gttctggcat tgtgggtcac acatcagatg cccaagttgg ccctgggtccg 120
 cagcagagga gggctttgat gggacttagg gtatcacagg tgtgtctctg ctgttgtggg 180
 gaacagactg taggcagcca gtgtggaagt gcagggacct ggaaggggtt gactgcactg 240
 gccctggaag gccctggtta gaggtggtga ggttgaaaat aaggttgggg gggccggggcg 300
 cggctggctca cacctgtaat ccagcactt tgggaggccg aggcaggcag atcacgaggt 360
 caggagatgg agaccatcct ggctaacacg gtgaaaccct gactctacaa aaatacaaaa 420
 aatttagcca ggcgtggttg cgagcatctg tagtcccagt tactcgggag gctgaggcag 480
 gagaatggcg tgaacccgga aggcggagct tgcagtgacc tgagatggcg ccactgcatt 540
 ccacctgggc aacaaaatga gactncgtct caaaaaaaaa aaaaggaaaa aaaaggaaaa 600
 aaaaaaaaaa aanntntntn nggccntttt tttcntantc cccaantttt aaaaaaantt 660
 ttgtnggatt tngcncaccc ncccccttan tntntnnnnn nnnnnnnnn 709

<210> 2535
 <211> 746
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1) ... (746)
 <223> n = A,T,C or G

<400> 2535
 naaccacgat cgantccgtg ctgtcgggtt ggtttatata taatgaggga agaagatgat 60
 tacattattt ttgtcacttt gccatcattg tttagaagtc atagaaagaa tttttaaata 120
 ggccaataag tcttaaaact gagtacttgg cttagaagaa agtcaaaact ccttcctttt 180
 tgactaagtg gtttgtttct ggggagctct taatttctat ttttataatc attagcctat 240
 aaggaaattg tgtcttcctt gttctcaggg tgatctgctg acctgtttca ctcatgaagc 300
 atttgggtat catacttata gtgtctgaaa cataaactgt attgagctag acaagggtata 360
 gcctcctctt caagtagcaa atactatcaa aagctataat gcagtaggag caaggtgggtc 420
 cttgttccag tttttgtctc agttctgctg ctgatgtacc atgatcttg gaaggtgggtg 480
 tctcagtgtg gagatctgac acattgttac cgtgcctcct ggctggaggg acttgaggaa 540
 caatgcagtt aagtagaatg ggttttaacc aatacagaga aaatttattc cattttaaaa 600
 taaaaaatct ggatttttta agaacctttt aaaaagcttt tggtagcagt ggtaaaataa 660
 gaatttaaat ggtattttta acatgccttt tatcaagcnn ccaaaatnaa agggattttt 720
 aaaaattttt gtccnaaaaa aattaa 746

<210> 2536
 <211> 708
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(708)
 <223> n = A,T,C or G

<400> 2536
 naccacgac gaattccggt gctgtcgcaa tttctgagtc tctttctatt taatgccacc 60
 aatttctgag gaactagagt gcagagtgga ttgcttttca gctttttcta ttaggattca 120
 gatagctttt taattgctgc taatatattt gtcattcata ttgctttttt gttttcaaaa 180
 ttcagttaat attttttctt ctcattcatt ttgactttgt aggttcacgc catttgtaaa 240
 accctctttg ttgtcttttt attggaattt tgagagggag ttaaagtgtc gtttttaac 300
 taccatcttt aaacaaaat tccagctatt taatttcagc atgaagaatt gcattaaaaa 360
 cagagcagtg aatcatttta tgaataataa tgcctggatt tatttttaaa aattatccta 420
 gcctaaaatg tttaggatca tcatagcatt aagagagatt tatatttggg aagaaatcaa 480
 aaacatcgtc agttttcatg cttaaagtat ttaggatcat aatagcatta agaaagattt 540
 atatttggtt aaaaatcaaa aacatggtca gttttctagt ggaaattttt catggcacta 600
 taaatcttta gtaacaagat tttctatggt tagnctttgg atatcttttt ttttcttaac 660
 agtagtttat aaaaaggatn aaaagctgnc atanggctgg gccagng 708

<210> 2537
 <211> 710
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(710)
 <223> n = A,T,C or G

<400> 2537
 tctcgtntcg antccgttgc tgtcgcaatt tctgagtc tttctattta atgccaccaa 60
 tttctgagga actagagtgc agagtggatt gcttttcagc tttttctatt aggattcaga 120
 tagcttttta attgctgcta atatatattt cattcatatt gcttttttgt tttcaaaatt 180
 cagtttaatat tttttcttct cattcatttt gactttgtag gttcatgccca tttgtaaaac 240
 cctctttgtt gtctttttat tgggaatttg agagggagtt aaatgtctgt ttttaactta 300
 ccatctttta accaaaattc cagctattta atttcagcat gaagaattgc attaaaaaca 360
 gagcagtgaa tcattttatg aataataatg ctggatttta ttttaaaaaa ttatcctagc 420
 ctaaaatgtt taggatcatc atagcattaa gagagattta tatttggtaa gaaatcaaaa 480
 acatcgtcag ttttcatgct taaagtattt aggatcataa tagcattaag aaagatttat 540
 atttggtaaa aaatcaaaaa catggtcagt tttctagtgg aaatttttca tggcactata 600
 aatcttttagt aaccaagatt ttctatgggt aggccttggg tatctttttt tttcttaaac 660
 ngtagtttat aaaaaggatn aaaagctgnc atagggtgt gcacagnggg 710

<210> 2538
 <211> 1565
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1565)
 <223> n = A,T,C or G

<400> 2538
 caattccata annntnnann tacanatcta natatntntg ntngnnant tnttatatat 60
 tgantaantn tatnnatant ctttnanggt gaanactntc atgtcagctn naanaatttt 120

```

annttntagn gggcanntca tatattatgg tatctgatan nantgnnatn ntncctntgn 180
nnnnnnnnnn nnnnnnnana ccnngtatcg antccgtngc tgnantata antnncnngnn 240
tccccctcg ttgangtgta aattatnata tagngggttn cactttatat tcttttttctc 300
attatattct ttactctttt ctannannac tgnntttnt ttnttaanat naatgacnta 360
ntctcttant atcnanctnt aanaannnna tcatantatg anntnannta annnttantt 420
ataatangan ttttattntn antnntntnt nattttanta tgnattncat ntatnnnnct 480
ttttgatgat aanccttnaa natatattnt ntatantact tcaanntnta tnatcttnt 540
nttatanant attatatatt tgtattatnc tntntaacta ntantttnt tantantat 600
nattnatanc ncatntaatt tatatttcnc actnntttnt ancnatcata gttanattnt 660
antagtacta tcatntgtaa tntatttatt attttgatat nnnacttnt ntatagtatn 720
ntatgtntat atataantna tatactattt tttatnagtt acattatata tngangtaatn 780
ttatnttna tngtaantn ctaaaatata tttcgatttn ntcaanntn atntnacgtt 840
atagtantta cnatcntatg taangatata cgagttaata naannaaana taaaatcaca 900
antangtann taatagntaa ntatnattct atanatntat naaaatctnt atatatatnt 960
nattgactan ntaatcgnat atattatctn ncgctatttn annatcgtnc tntnagtctt 1020
tnaatnttnc ttanaatanc annnnanaa ctgtnanctg ttnatatatn ntntanntct 1080
atcatnntnt tatctttctc gtataaant aaatnatatt tatcngtntg nntannntat 1140
aaantntnt taatcataaa cttatactna tcntttatac tcctattgac attncntaaa 1200
tatnttantt aatnatnagc tacaantatc taagctanat tntattgtat anatttanat 1260
agntatttn tantctgtta taagttaac tattantgta tgtgtctgnc acgtcatntc 1320
aatnntcta atactntatc tntntnaant attatgtgtn tgaagntatc tttatgtata 1380
nntgtatana nantnactat natntntata ngtaatan nttantcnaa gnaatantga 1440
tanttctatn tncntacat nttnantatn tatnttnttc ttctcnccat aangttcata 1500
nntttagtta cnntatnagt acaatcntta acgtatacga tcttatctct ncacacgnnt 1560
gatnn 1565

```

<210> 2539

<211> 723

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(723)

<223> n = A,T,C or G

<400> 2539

```

naccncgatc gantccgtgc tgtcggcaaa atagtatttt ctattactgt gcaggggaaa 60
gggatggatc gatacatgca aatttaagt agtaactcac ttttccatat attttgaatg 120
tatatttcta tttatgatac caatttataa aaaataatta cacagaaaaa atggaatagg 180
aaaaattatg catctagcac atttaaactg tgcaaatatg aaaatttttc gaggattaca 240
ttttatctga aggctgcata ttttaactgg ctttaaaact gtaacacatc acataaaaga 300
tactttacca ggtatgtatt gcattatatac attgcaataa ttattggaag tctagatatac 360
gagccatccc aggtgttggg cggggggagg gttgtggcaa gattgtcttt tcaattttgg 420
agagttttcc tgtggctaca aggcaagtaa cgggttggaa aaagtctgac tgtaagccgt 480
tggacacctt catagtgtag tgttttagtg acttttttta tacgggtctt gtaaattaaa 540
atcnttgtaa tgggtgtttc aaaaatggtt tgtttatgca ctaattcaga caacttttcc 600
tggtacttgg tcttgataaa gtgaaaactg caggggaaat aaaaaaatnc ntntcaaaac 660
cttaaannan nannnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 720
nct 723

```

<210> 2540

<211> 733

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(733)
 <223> n = A,T,C or G

<400> 2540
 tnaccttnnt cgaatccggt gctgtcggga acactaatgg cctccctgg aacagacacg 60
 gcgccccccc acagaatagc ctcgatgccc cctggaacag cctcggtgcc cctggaaca 120
 gcctcggtgc cccctggaac agcctggtgc tectggaaca gacacagccc cccagaaca 180
 gacacagcac cccctggaac agcctggcgc ttcctggaat ggccacatcc ccccatcctt 240
 tctgtgctgc tttaggcac tgcccttacg tggttcgtgt ccagctctgt caacaaggcc 300
 agctccacaa gaggccccag ctccagccctc cccagtgggc tcccctactc aggcctctggg 360
 tcagcttctt cccaggaggt gtccctggccc ctgtgctggc cccgcctcgc tgctggaca 420
 cctgtccgtg ccaccctggt cactgagcag gacatccgct tctgtggccc ctgggaccct 480
 gcccccgaca gccaggcctg ggtttgtcct tttaggtaga gtgcctgggc caggtcattg 540
 gaggagaagt ccacatggcc acctctggcg tgttctaaaa agggccctccc gcgcttgggt 600
 caggaggcca gcatcgggga acaaggaaaa angggggctt gagcttctctg gttccttttc 660
 ttnccttccc cgaaggncaa anaaacattt cccattccga atgtccaatg gcgcttacca 720
 gaattcnttc cnt 733

<210> 2541
 <211> 708
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(708)
 <223> n = A,T,C or G

<400> 2541
 naccacgatc gantccgtng ctgtcggcct gggaagatat atgtctgatt ttcgggacttg 60
 gaagcaagat aaaggaaaga ggctgctggt ttatgggtata gagattttca ctcgtaaaga 120
 aagtaacaaa gtaaggaagt aggattattg tagaaatatt attttacagt tcaagtttgt 180
 aaaacacagg tgaagtaat cgttggtggg tctcttcctc tgagatcacc aaattatctg 240
 tagactgggt ggtagacttg gagagaccac ttgttcttgg acaacagtta gaagcatact 300
 gccctaagca gtaaaaagg gattgttgag ggcagcaaga ggcggtgtaa cataccagtt 360
 catttttctt ttcttagcaa gcatgtacta attgcctttt aaaactcctg accatagggg 420
 ataaaaacgat tacaagaaag ataccttccc tgctcccatg gaatttacat tctagcaca 480
 cagtggatat taaacaacgt atcatctggt tatgttaatta cagtaataag aatcatgtag 540
 gagaggtcaa ggaagcttac tgctgtgggg ttcaggatgg catctncaa agtatgaata 600
 aggaaagtgg tgggagaata aaaggagagt ggcagagact caaactgaga gattaattga 660
 gataatgaca attnggggat tcaatgaggt gttaatgtgt tagncctg 708

<210> 2542
 <211> 718
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(718)
 <223> n = A,T,C or G

<400> 2542
 tnaccnntnt tcgaattccg ttgctgtcgt ggaggcttac taaccaggta agccttctat 60

```

gcacccacac caaaatcctg cagaatgtaa gtaagctctg ctttataaga tgggttcacc 120
ttcatcgtag actgaaagt ttagttttta tttttttcag aaagcacgaa aaattattta 180
taatagctcg gagaaaaaac aactgtaat atttcaagt tatgcagtag aatgtactgt 240
aactgagccc tttcccatat gtctaggctc caatgtctcc tgtaggtcca cctaactgtg 300
tgtttttcagg gacaatgcca tccatgtttg tgctgtagac ttgctgctgc tgaatccttt 360
ctggggactt tctcatcggt cagggagcag agggcttctc gttcatgcac cctttgcctg 420
aacacccatg tagctgctgt gttgtgtata tattactctt aagaggagtg tgtgtgtctg 480
tgtttgtttt aaaagtcact tatttcttac agtgatttca attgcacat gacttcttca 540
ctaaaaccac aaagtctgc ttaaaactat ggaaaacctt accctgattag agccttgact 600
atttttgaag aataaatgcn cacttttntn ttttnaanat tnttggaat tgagactttt 660
ggggcctttt ttttnggggg aatttctaac ctgntaanaa acntnnana attttgan 718

```

<210> 2543
 <211> 889
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(889)
 <223> n = A,T,C or G

```

<400> 2543
annattnnnt nnaannnnta nananttnnn ttnnnnannt ntnntannnn tnttnnttnn 60
tanatatntt nntttnnngg gganagtann tntntntcta tntctntac tatnntntan 120
tnctggnggn gntttntgna gatntatntn ctatcttnnn nnntnatnan tannnnnnnn 180
nngaataaac cnnntatcga ntccgtnggc tgcngntgg nctgaccacc ccactcatcc 240
ccgttaacat tctctctaaa gagectcgtt catttccaaa gcagttaagg aatgggaacc 300
anagtgtttt aggacctgaa gaatctttat gactctctct ctttactctt tttttttttt 360
gccactaagt naaaagcgaa gngagagtat taacgttttt gttctctctc ggccccntgt 420
tncaatnaag gggcaaaaagt atttgctctn agtctattcc tcccttaact tctgtgacta 480
attttnattt cctttctana ttngcccaat taanactagg gtgcagngta tcctgnatag 540
gtagggtnag tggggggagga atcccttggg gnagatatta ggantgctct gttgtttaca 600
aactcaggtt cccgcagggc ctancaaaga gacttaaatg actgataaaa aaccntgaa 660
aaacatgttt gnttcaggn ttnatttcan tttttcnnnt tttttttttt tnnaaaaaaa 720
aatntcnttt tgtcaccngn tngaangcat tgggncnatn ntcncttnt tntaacctcc 780
ctnttngggg taaannaatt tcttttgcen atncccnnaa atcttanata aangccttc 840
cnncccccct gttnttttn tntttaaaaa aaantggggn tccnttttn 889

```

<210> 2544
 <211> 746
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(746)
 <223> n = A,T,C or G

```

<400> 2544
gaccacgac gantccgtgg ctgtcntnnn accgncccn cccacctgcn tncagctgcc 60
tcttnacact gggccctgct ctcagatgga agtgtcacca aacaccaga tcgtcgtgct 120
cctgtctctc tggagtggac acaacctgaa aaccaactgg actgagcatc cttctcctaa 180
aatctcagcc agaagccacg atggagggtc ctgggaaggg aagagatgtg aagatttctg 240
tgattctaaa accttgggtc tgctgcaaa cttctctctg atccagccg agagctgtgc 300
acacgctagc tagccctgtc acacaatagc ccagtgttcc cgtcacaant gcctgggaat 360

```

```

gagaggcttt tgagccacag agctatgaca agtcncagg ttgaattgac tctgggagga      420
caaatttctg agagactcac gggaccctta tccaggacaa cctcacaaaa gatcccttga      480
aactgagctt tctctgcttn cgtgcataat ttgaggtata aacttttncct gtgtctncgg      540
tcaanatgaa gtgaaaggat gaatattatc cccaaggcta aaagntaacg naaaangtcc      600
aataagccat ccgatganna gaatatnttn ttttgaaaag aaagncttgt gaancatttt      660
tccattcaaa cccctggtna ngttttcccn aaagaanttt tttccccgaa naatattgt      720
gtttngggccc atnaaaaaaca ctggat                                         746

```

<210> 2545

<211> 716

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(716)

<223> n = A,T,C or G

<400> 2545

```

naccnnntc gaaccctgg ctgtcangct gaaaggccta cncattaaaa actaacactg      60
cctccccctgn agggagatag tcctttcatt ttagctcctt gcattgaaat agcattgagg      120
attaaatttg tgtaagcccc acaaaattca aaatttatgt gcttttctga ccacttgct      180
tctagtggaa attttaagca tattagagga tatgtttctg tgggagctga tcagaatgg      240
actaggagta caaaagaata tctaaaacta aaacacagct atatttcaga tcatactgct      300
tcacacatc gagtgcatt acaaaggtaa taaatagtat gtggctgagt tagggcttg      360
gaccattttc tagaagattt gccctttctg caattctagt ctctataatg attggagtgt      420
aggagttaag ttgtggagcg tctcataaat ttaactagaa tcacccctc ttaaaattc      480
aatcaaatat tgacatatta gtcgccatt atttgattac attttattg gtttaagcag      540
tgagagatgt tttgtgcaga atctggttgt tttcacccct aaagtaaggc attgcattat      600
ttctaaataa tcctataaag cccctaaatt aaaaaattt aaaaccaacc cactttnta      660
aatgaanggc nctnctagnt ttctatggg ccagcctctc attcccgna atttcn          716

```

<210> 2546

<211> 717

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(717)

<223> n = A,T,C or G

<400> 2546

```

tnaccncgnt cgantccgtg ctgtcgctgn ctatcagtgt accggatatt tatgtaaact      60
atgactgtga cttaaagtct gccaatatat ttgaaagact agtaaatgat ctatcaaaaa      120
ttgctcaagg aaggggcagt caagaacttg gtatgagtaa tggtcaggaa ttgagcctga      180
ggaaaaaagg tttagaatgc ttagtgctga ttttgaagtg tatggttgaa tggagtaagg      240
atcagtatgt gaatcccaac tcccagacaa ctcttgggtca ggaaaaaccc tcagagcaag      300
agatgagtga aatcaaacac cctgagacaa taaacagata cggaagtta aattccctgg      360
agtcaacatc atcatcagga ataggcagct acagtacaca gatgtctggc actgataatc      420
cagaacaatt tgaggctccta aagcaacaaa aagaaataat agaacaaggg atagatttat      480
ttaataagaa accaaagaga ggaatacagt acctccaaga acaagggatg cttggcacca      540
cacctgaaga tattgcccac ttcttacatc aagaggaaaag attagactct actcaagtgg      600
gtgagttcct gggagataat gataaattta acaaaagaag tcttgtntgc attttgtggg      660
accaaccatg actttttcag gaaaagactt cntttcagcc cttcgtatgt ttctaga          717

```

<210> 2547
 <211> 680
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(680)
 <223> n = A,T,C or G

<400> 2547
 atttcattgc cctctttana nanttgnttn caaatgtcga gcatctttat ttatccaaat 60
 ctctccacag tgtttgttta aaggggagcg ctggagagta aactaaatct tacaatgagc 120
 atatggatgg ctataattgc tgaggtttgt tttttttttt catatttgct aactcgctat 180
 atataaaatt gngtttctat tttatanatt tcacaccctg aanactgcta atttttgcat 240
 gcatatgatt ttcacatgaa tggatgaaaa tactaaaatc tcttccccct ggaattgtct 300
 aattgccccg accctactct aacagcagct agtgggtggg ggcggtggan actcctgcc 360
 ttctctgtgg caccctactt ccctggaagc tcantcggcc tccgtctgct cacgtattgg 420
 caggttggc ttccaaaccc attgatgcg gaacatgggt caggaanaac acagtcagct 480
 ctctgngct ttccatancg ttcttttttg ccaggcttct ganattttta aataacggaa 540
 gcaacatctg ccctntgaat taactgacaa tggggaaaca cacattgcaa aaattatctt 600
 aatgtntagc aaatcaaggg aaaacaaact ttgcttaacc attggtttca gctttctatc 660
 caccaaancc ccaacttttt 680

<210> 2548
 <211> 721
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(721)
 <223> n = A,T,C or G

<400> 2548
 tgaccattnt tcgaattccg tgctgtcnaa tntgacagag acgctcaggc tgtgttctca 60
 ggatgaccga gtgggagaca gcagcaccag cggtggcaga gacccagac atcaagctct 120
 ttgggaagtg gagcaccgat gatgtgcaga tcaatgacat ttccctgcag gattacattg 180
 cagtgaagga gaagtatgcc aagtacctgc ctcacagtgc agggcggtat gccgccaac 240
 gcttccgcaa agctcagtg cccattgtgg agcgccctac taactccatg atgatgcacg 300
 gccgcaacaa cggcaagaag ctcatgactg tgcgcacgt caagcatgcc ttcgagatca 360
 tacacctgct cacaggcgag aaccctctgc aggtccctggt gaacgccatc atcaacagtg 420
 gtccccggga ggactccaca cgcattgggc gcgcccggac tgtgagacga caggctgtgg 480
 atgtgtcccc cctgcgccgt gtgaaccaag ccatctggct gctgtgcaca ngcgctcgtg 540
 aggettgtct tcngaacatt aagaccattg cttgantgcc tggcanatga acctcatcaa 600
 tgcttgccaa nggctcctcg aactcctatg ccattaaaaa anaaaggacn agcttggaan 660
 cgtttnggcc aaattccaac ccgttgattt tnccanctgg ttgncnaat aaaacttttn 720
 t 721

<210> 2549
 <211> 703
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (1)...(703)
 <223> n = A,T,C or G

<400> 2549
 taaccacgat cgantccgtg ctgtcgggtt ggtcttaggc taaaatccat gttntacgga 60
 gaattcaaga aattttttaa cttcaggtag aactgtgtt tttacaaatg tatagaaagc 120
 atagtgccta atgcatggta gaaacatttc tttaaggatg accggatgtt gccgtatgta 180
 tttatggcac aagcaggtgt tgtctaagca gtttctctgt ttgcttgta tagcagcatt 240
 tggaaactca aacatgcttt catttacata aatagtttat gaagctttga caacaaatgt 300
 aaacagacac gaaattataa atctgctaaa tatgtattaa gggattaat tattgaaagt 360
 ccctttcccc aaaactcaac tcctatggca attatgaact ccattttacc aagaacattt 420
 aagtgcctca gcatctgtat gatatagtgg agcagggtct gacataggta ccagctgaca 480
 tgatgtgtca ctagctctgt gggatgattg ccacatacat ggaacacctg ggagtgtctg 540
 aaatgtactg ggatcgaagt gacaaagtgt gttttcattc acagtggagg ctacatcaag 600
 caagggggagg nccaccctct tgcaagtgtg gtgagangct ctctacaaag acatgggcac 660
 cggagtaggn ccctgtanca tgcnggtgct gtananaaaa tnt 703

<210> 2550
 <211> 1063
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1063)
 <223> n = A,T,C or G

<400> 2550
 ctccnttttn acgtntnaen tagtnanann tgnngntnn nggttanattg ttaggtntnt 60
 cntgctctcn cnagatnnc attacnata anngtntnt atntacnggn anntnctana 120
 cnttctatct ctttnanact tnnntntnnc nnnnanaaga accangatcg antccgggct 180
 gtcnntctnc gcagtgtacn ccctgccttg gatccctcc cctcaaggag ttcattctcng 240
 cgggagggag ggagacanga tagganaggg nacttttaan tggctntan cccttagcga 300
 gggngtggtg aggtcatgca tgggaggagg ctgtcttgnn gcngaaccgg gttcanggag 360
 gctcatnngn ganngntncc ctctaggca ctggagtnt ggcttgant gtgaggggta 420
 gccnaanggn nnggctacaa tgnncgnggg nnggagagtn tntntntnc ggnggnaacn 480
 agannntnac gccnncatg naggggggnt tcatgtcttt cangttccag ggaatattat 540
 ncatnggtta anacggnggn ttgcnnngtg naatcgaatn tactcttgct ccnntgtttt 600
 nactntnttt tcgagantnn gggaantgna nntctcattg cctgggggnt nnactnctg 660
 gntantggan ntntcaatca ngcangnngc tttnnnttg ngatggggnn cttcttngn 720
 nngnttgac tctgatanta ancngggnn tcnngctggn ttctgnatt acntacnca 780
 ntnggttgga tntgnanct aannntcnn antnatgnaa ccnacttn nntntntcnc 840
 cgnaaatgg aacantncan ntgttgtnn canctnnngt aggnagctng attatagtat 900
 ncntnttggt cnantntna ccttgggnt ntggnactnn tcttncgat tccttatcca 960
 canaggggac tcccantggg naanataann anacgnggna gcttnggngn ntancatngg 1020
 gngtntttnc tctntcaagt acnaantntn acacctctnt ncg 1063

<210> 2551
 <211> 715
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(715)
 <223> n = A,T,C or G

<400> 2551

gaccncgatac	gaattccgtg	ctgtcggntt	agcactcaca	tatttttgtt	caatctttac	60
ttctcacaca	aacagaaaaa	ggaaattata	tattctgtat	caacaaagat	ttaacaaaac	120
atccatacac	tacaactgtc	tacttactaa	aattaagaat	tagtatatta	tcttttttct	180
tctttatatta	aaactatctt	ttcatacact	attttaagtt	tatgaactga	aagtctttta	240
gagataattt	acttcaatga	actattatta	tttataattt	ataagcaaat	tgtcacaact	300
tggtattagc	tagctctact	gttcgcttac	agtctctaaa	gtttctgaaa	gcatccatga	360
tttctgccac	aaagaagata	cttaggaacg	attctgtttt	cctactctgt	gacctaaaat	420
tgactgggtc	ttcaatggaa	atgagatcca	tatcgggcac	taagggtata	cagaaataat	480
tgtggggcaa	agtactaaag	ctatttttgt	tgactatat	tttgagatct	ctttaaggct	540
ctgtgttctt	actgatttat	tccaatttaa	tgtattgnac	tattggcatc	ctactttttc	600
tttttaataa	tattattatt	gactgnntac	aagactttgt	gttaactga	caggaaagtt	660
tttataaacc	aataacagca	ctcacatttt	ggaaagactg	ggtncattg	gtctn	715

<210> 2552

<211> 713

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(713)

<223> n = A,T,C or G

<400> 2552

tgccttatacg	antccgtgct	gtcgnnctga	cgtgaaatgt	aaactantag	gcgtgttatt	60
gatctgctaa	aactaacctt	ctttttaaga	ggagatttaa	ggaagacgtc	aatcaaaatg	120
tcaaataatgt	gtgtcagaat	ataaataatt	tttcacattg	tattgttgct	atataaaaaa	180
aataatagaa	ttggttgggt	ttctgaggtg	aaatccagag	taagagtact	agacagttca	240
acaagccaca	tctaattggca	cagatagagg	atgtagctat	tttatacctt	tcataacatt	300
tgagagtaag	atatacctta	ggatgtgaag	tgattattaa	gtactcatac	ctgaaatctg	360
ttgtcaagat	tagaactggg	gttcattgta	aaaaccttcc	atattacctg	agggtagctg	420
tggggaacag	ttccttcccc	tgtgtggtag	tattttgttg	gaagagaatg	tttatacaaa	480
aatgaaatt	cttccaacag	cagagaaact	ctaaaaagtt	tgatagtacc	tatcaaagtg	540
ctgtacttct	gtgatagaga	acatctgatg	tacccaattt	tagatctatt	ttcttttatac	600
tttttctaatt	caattgctta	atagtacttt	ggatgattat	cacctttgcc	actttaaaat	660
atataaatat	cctttttact	tcatgaggaa	ggaagaattt	ttggntaata	ctn	713

<210> 2553

<211> 1506

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1506)

<223> n = A,T,C or G

<400> 2553

ccnccccca	cnctgtctc	accccnannn	ggncttgctc	tannngntgnt	ganttttnnag	60
ctttntattn	aggantnctt	nnnntaatc	tntntctnga	gtgganntnn	nnnacgggtac	120
ntcaaaanctn	tggttnaatt	cnnccctann	nccccatnn	nggttttctt	nntttnatnn	180
ctnatnatc	tantcnntnt	ntanccaatn	ttcctnatn	nnctntnnngn	ctctntttta	240
atnnatanac	ttacctnact	cnanttctct	anctngtata	tntatnnnga	ggnatcngnt	300
acggnntnact	anagctnnna	natnactggg	accnctacn	cntnncngc	tatntaacgt	360
aatgacctct	tacntacta	taccatntnn	ctcttatnaa	aacgtataat	atnctaaccgc	420

```

tatatatggc tacngcaacg nacacgcanc ntatcnctaa gctgaactna ctntgnntan 480
ncgcgtantg taatngtnag tntangtcan atattaggtn atgcctcgng tattnannmt 540
taatcaattc nattctatan nntctgntna ntntnctnat atnttatccc natcatattn 600
nntatnttat caaanttcac gtgtcntntc tactnaactt angtatantn natgcgacgc 660
nnngtntatc annncantt tctnttaact tngcatatnc tctnantnta atgntgtatg 720
cnacnntatn tattctnacg aacntnatat aatnttenta anttntnatc antnntatn 780
tngtactaca tngtcnntng tcaacncgta tatctctnnt ttagnanatn tnttatatnc 840
aatntgaatg ctgnttancn ctcnctntag cnaaaaaacg ctactatata ancgntntct 900
annnttacct tcgttctcna cgtatntacg atacgtaatn tnactacctt agctancanc 960
gtcnegntgn tacncnaanc taatctctan atnntctgca tgttctgcat ntagacnata 1020
acntacntnn ntanattnta cgntaantat ctcnctctcn ttntnatnna acgngncacg 1080
tntntnacnt tcnacncnng tntntannnn acattatntt nnatctcagn aaaatctatt 1140
acnttcnntc tatacttngt atntantata tctcatctta gnnngntanat gaattatcnn 1200
gtcnctatn aannacacan actantntan ntanangacc gtannnacnt nnnattcngt 1260
acatatnant attntntntt atngatntnt nntcgaatg ggatanatac tacntnttgt 1320
atctnncgca tntatnctan gntgaatacn ntatntnnat acctngaang tacgncacn 1380
anctaantna nctatgagan cnanatnncg ctacgttntn tcaactctagc cnantaatan 1440
tncgtanata tctacntgat naantantgc ncttaacnta cntannntga cangaacna 1500
tntnccg 1506

```

```

<210> 2554
<211> 707
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(707)
<223> n = A,T,C or G

```

```

<400> 2554
gccacgatcg antccgtgct gtcgcactga atgacttaag gctcgacaaa tgatattctt 60
ggaaaagtta atcttgaggt tttcaaatct ttttttttaa tgtctcccat gtttctcatt 120
tgctgattga ttcattagtt gctcttagta agatttgtca gttggaaata atgaaggctg 180
agactcattt ctaaaactctt ccataaccat caccagaaga gcagccactg tgttggtgta 240
tgtaggctaa tgcctcccag atagaggtaa agtcacaagg actattagaa ttccagtgga 300
ttgtggaact ggttttggat tatccttata ttttcattct gattactgag gcagtcttga 360
aaactcctac cattgaaata gtgggtgtgc ttttccttgt ttaaggattt tacatcattt 420
ttatgcactt gaattccaaa atcagaatct ctcttttacc tatcaacctt tattggctat 480
tggcttttgg caatgacctt tctgttcaaa tgtagtctg tctctttgtt tccttaggga 540
gtagaacctg cctttttctc atcttttcatt tttttgacgt gtcctttcta agaaaangct 600
ctctgccgct gttctgggtg ataaatgata ttttcatcta atcgntatgt ggggtgggat 660
gatcatggng aaaaactagg aagacatctc tgggtggatg actttttt 707

```

```

<210> 2555
<211> 1192
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1192)
<223> n = A,T,C or G

```

```

<400> 2555
tcnnnnnnnn cnagnannaa tangnnttta tngtantnan tatangtagt gtnnaggtn 60

```

```

nnnananagt gatanngttc nagnntnnc nngntngnc atgatnatat atagntnnnn 120
nnnngnagnc atgacnaat cgggctgtn ntntgcctgt ggncccnatg ggncanacac 180
tgngcccgcc cacagaatag cctcnatgcc ccctggaaca gcctcggtgn gggcctgttc 240
agtctcngtg cncnctnann catcctnnan tancntttga anagagnnat ttagagtana 300
aannaanttt gtcacttnnt ttntcattaa aaattactat nngnaacctt angaagnnna 360
tgnccnatca angcnntgt cnagctatga agaattatnt ntangnggaa anaacatnaa 420
ntttnacatn cnnagtnatt cccaatngaa nccctaaana acatgnaatt tggtaggnt 480
tnnctacnnt antgtcnat ggaacncnan actnaaaaa aggtatnttt naatnnctcc 540
tngngggtat cngggannct aaacnttggg ngecgcgnta tganaatata gacntatcn 600
tnatngaana cntatgaatg tatnctctg cttatgttna ntcgtattat nactnngnat 660
attanataa tntnctnnt tntanntag atcntatgag tcaaacttgn tattaagnta 720
tnantactna tatanngan ncatcnagaa nnnctnncac ananaatatt cacnctgnc 780
nctatatnat ccganganna ntaanntaag tttnanncna tntaantcaa ngntaattn 840
nnttnnatat ttnggttnnn gatttnnnna ntngtatgtg anttattatt acangacnga 900
naatnctnt attgnnttnn ngaannttta tnaataatat atctannant nntnttatan 960
catnnntnng tntnctatn tntnnngtna naggngngn ttcattntaa cnantntnt 1020
ntccaacgan nangagntnc nannttattn antatacatt ntntagntnc tnactntaa 1080
natctcnaa ttgatnangt anatgatntt attntaaatc tntnatntt canantnta 1140
ctctattana nncancctan ntnatnna tncatntaca tcnnngata cg 1192

```

<210> 2556
 <211> 710
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (710)
 <223> n = A,T,C or G

```

<400> 2556
nacctcgtnc gantcttget gtcgccgga tgaagaggtg agtccccctt cggccctca 60
gcgagccag cgtggggacc actcttccg ggagcaaggc cagccccctg ggggcacttc 120
tcaggccaga cagattgatt tcccgctgc gatcctggtc cccaccagtt ttgttggtgc 180
catcatcgga aaggagggtc tgaccataaa gaacatcact aagcagaccc agtcccggt 240
agatatccat agaaaagaga actctggagc tgcagagaag cctgtcacca tccatgccac 300
ccagagggg acttctgaag catgccgcat gattcttgaa atcatgcaga aagaggcaga 360
tgagaccaaa ctagccgaag agattcctct gaaaatcttg gcacacaatg gcttggttg 420
aagactgatt ggaaaagaag gcagaaattt gaagaaaatt gaacatgaaa cagggaccaa 480
gataacaatc tcatctttgc aggatttgag catatacaac cgggaaagaa ccatcactgt 540
gaagggcaca gttgaggcct gtgccagtgc tgagatagag attatgaaga aactgcgtga 600
ggcctttgaa aatgatatgc tggctgttaa cgtaaagtcc ctaatgcttt cttctnctg 660
gggtttcact aggtataaaa tcttgccatt cagctnatga ggaatgcctt 710

```

<210> 2557
 <211> 721
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (721)
 <223> n = A,T,C or G

```

<400> 2557
taccnngntc gantccgtgc tgcggaaaa tattagctac tcaaataagt aggtctctga 60

```



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aatagtttta actgcaagtg tgtaacttg tgtggtggt tgaagccatt tttccaaata 120
aagttattaa acaccacttt atgtactgaa gcatgaacag aaaaatcaag agctgagcag 180
accacctcct ttatgtaggc aaaacttcca tcattttggc ttttgttcta aacagaacta 240
aatgacatgc atagcatggt aacttacaga tcgcttaatt ggagtaaaac tcagagtaat 300
agagggaaat atgggctctt cagtgccttt ttagcttttt tgagttgaag acgttcctac 360
agatgtagtt taaacattac aaagtaggct tctttatcca aaaatcccaa tgtgtcatag 420
tacacagata gtttaaaata thtagcccg ggaaggggag gcatgtaaat gtcttgaaga 480
ggagaaaaag tatgaaagaa gatcgatagt taccaataat gtgtatgatg aggacatact 540
ttaaaaaagt aattcctctg tacagtaa ataccaaatct ttagggattt ttttgaata 600
agaagaattt atatttgtaa tgggtctaaa gaattttttt tgtaatgngg gattataana 660
attttaattt gggaaccact ttataaacct ggtnaagaaa aaaattntng ccttctggaa 720
t

```

```

<210> 2558
<211> 736
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (736)
<223> n = A,T,C or G

```

```

<400> 2558
tgnacctcgn tcgantccgt gctgtcgga ctacaggtgc ccgccaccac acccggttaa 60
tctttgtatt acaggataga gttcttgga gcctggcggtg gagggaggga gacaggtag 120
cacagttaca gaaggatctt cgggatatgg aaatgcggta tttgtggaca ctcattcatc 180
taacacacat ttgttgagct cctaattgtg atagaactga agggatggag tcatgggcag 240
tggaagagct gaaatttgtg aaaagagaga gaaggatcag tggctatggt ctggaagatg 300
acgtggaagt gtcagccatg acgggtgggg agtggcctgc tgctcctcct gggaagagaa 360
gaaggtgaag actcagggcg cgtctgcagg gagacagtgg gagctgtggg gtctggtgatg 420
acgctgatcc tgtcattagc atctgagcga ggtcacagge atgtggggcc tcgttaacaa 480
tgcccggcat ctcaacgttc ggggaggtgg agttcaccaa cctggagacc tacaagcagg 540
tggcagaagt gaacctttgg ggcacagtgc cggattgacc aaaatccttt cttcccctca 600
ttccgaaagg gccaaaagcc cgcgtcgtca aatattcaac caaccattgc ttggggcccc 660
cattggggcca accccgggccc cgnntttccc gttacttgna ntcaaccaa tttcnggggt 720
taaaaggctt ttcttt
736

```

```

<210> 2559
<211> 1347
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (1347)
<223> n = A,T,C or G

```

```

<400> 2559
cctngnchnaa ntctaannan atttggnagn ntgnngnaat ttatgnaatt ggcagattan 60
gattannntt tttccatttg gggnattnnn ngggtntttt nnttagcaat atnnnnnnnn 120
nnntaataac acnactnant cngtgnntn ttagccanca ngcccccggt tgagccnttg 180
tantttaaga natggtccnn cnttttattn tggaagtnnt nccacacntt tggntntttt 240
tgcaattntt tatttnata ntantatata nntctttttt ngntnttnga gcatcttttt 300
acananannc tctnctatta atctnnttnn anattattnt annanttnaa tanannatan 360
ttatgattac tgtcgantna atacaccttt gtcnctnnc ttnnnaagct atctntcnaa 420

```

cantgaacac	tanntnctag	tactaanacn	ttanntcagt	ntctttnta	ctngntnata	480
gtncntgant	nnntcnacn	agtanatnnn	ttagncttan	cantagatct	aatganntat	540
nttcgatntt	actaggccta	nnctatgat	gtnttnnact	aacnactttn	ntangnnntn	600
atntangctt	ntgtaagtnc	ntatctantn	ncncatannt	ntatntnatt	gaaannaatc	660
ttatctnatg	aaaantatct	tatgctattc	ctngntaacy	tgtnnngaat	gtatgcgctn	720
ctatnanata	ggggatttta	tactatgtna	cataatntnn	tagtactgnt	atntatataa	780
angtanatct	aacgctgtna	tattcatacn	nnatctatn	tngtcgngta	gcntagcgna	840
aannanncgt	actaanaatt	cgnggtntac	atatatcgta	tntantgntt	ntnnngaaac	900
atatnecnan	cttaatgnac	ttcatnnnta	cgngatgttg	tctgacccct	ngcgacngn	960
tacgnnnaaa	togattacta	antntatnct	atagtaaagt	tatngtatct	atatnnnatn	1020
annatctcta	cacgtaagng	taaanntnac	nttactatgn	ntnttatatt	acnaaatctn	1080
atgcattcnt	aaancgntc	gtatgggtac	ntnaagcgat	atgtntngt	atatntacgc	1140
aaacatagta	tatatattnc	natntttttn	ataacattat	catatatnat	atatatttaa	1200
atnncnanatn	attatnataa	natgtnaatg	atanaatann	gcanatgnaa	gancgnnaan	1260
gnaaagnnag	tnntcnctac	ttatnttcnn	gntggatgt	tatagctann	tatatacggc	1320
anctangnan	nanngaannc	ntgtacg				1347

<210> 2560
 <211> 759
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(759)
 <223> n = A,T,C or G

<400> 2560						
aaccncgntc	gaattccgtg	ctgtcgntan	anatgacatc	acncgtgtan	gggtgaagcn	60
nggagancta	ctcngntatg	antaangttn	naannngaaa	tgngannnaa	ntggaatttg	120
cnaaagtgcc	tgccctataa	tgttagaact	ggaccagaaa	ataggagtgt	gtataaaact	180
agaccancga	gctttttttc	cttcaagatg	cagttcagtt	tattgctttt	gtaaattaga	240
gattgtgttt	cttgatcttt	attaaagtag	aatacaatgt	taacctactt	caaattttaa	300
aaaatataca	cacatgtata	tgtatgtgtg	tgtgtatata	cacacaggat	tttaaggaca	360
gttttttgtg	tgtgtgtgtg	gcatgcccac	gcatgccaa	gaaattgtta	atcttctagt	420
acatccccc	taacagaggc	agctaccaat	aagatctagt	ctttgcctta	cagaccaggt	480
ggctttacct	gataggctca	cagacattca	gtagtccatt	tggtccctcag	atttctttaa	540
ttattgnnga	taaagttgat	atttaaattt	accaacttta	accatntttt	aaatggnatt	600
antttatttg	gccatttaan	gtggttaatt	cncantttgt	tnngggccag	ccnttcattg	660
gancaatccc	atcntcttan	ggaggttntt	tcnttccctt	ccntnaaatt	gggaaatctt	720
ttggtgcccc	caaaaaacaa	attancctac	cccctttnt			759

<210> 2561
 <211> 1097
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1097)
 <223> n = A,T,C or G

<400> 2561						
atttgaaccc	canngnaat	ccgggaaatt	tcngnttgg	ccttggtnen	agantgacaa	60
cctcgtcggg	gaggtagccc	ccncgtatt	gtgagatant	aaagacngnc	ttnganacng	120
gnagnncntg	gctnagggcg	anaggaaang	attgtcatcg	agttngcagt	ccnggaaaaat	180

ggccgtnntc	gtnagggcta	gnnnantnga	gagaggangt	ctattttntt	taagagatan	240
taataaanan	tnntagmnct	cnntagatgt	ctcnatnagt	aataaanan	natnnnatcn	300
ngtnntatgn	nacgngcatt	ctgtataana	tagaagcna	tatnntngca	tannatacac	360
agttantcca	tatctgtagn	tnaanaatna	nagtnctttg	gangtnntta	tncaanaact	420
ngngtcntna	nngnnacatt	nantattnng	aagngaactt	ntntaannna	aatatncanc	480
tctcacaann	ctnananant	nananntnna	atatanatct	ntnannntcc	nnacanacnn	540
nanatanann	cnnnnctana	taganaanaa	tataattann	gtngtnactt	tangacanaa	600
ttncgatgtc	annacatntc	nacnaatta	ttcantncta	nnnaactnaa	gnanncgtn	660
ncnanagang	agnananant	atannttatt	nnctangaat	tcattgtatt	ncnatcacta	720
antatnaann	nggtataaaa	naaatnanat	cactacttat	tananangat	naaanatata	780
aanngantna	tattntatan	ntatgaaann	tatnatacnt	attcactaan	nanntnnant	840
annntaaact	tnctgcnmmt	aaacattctn	anncatgcta	tataaactaa	gatatatgaa	900
annntaaagt	anatctacgt	natnacatac	acannaatcn	aatnttaact	tanataanta	960
tnctantcta	tagatctgta	aataactnta	tatttgctta	acnangnanc	agttactcta	1020
nctctctant	atntangnct	ccatattatg	nacccaannt	cnnnanagt	ccaancattt	1080
atcttaanta	ntgancc					1097

<210> 2562

<211> 691

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (691)

<223> n = A,T,C or G

<400> 2562

ncntgctgtc	ggttgantcc	nanaaaaancc	aaacagttgc	tgtcaatata	actccccctta	60
ttttctctca	agtcacctgg	atcgctcctga	ccccgggaac	cccgtctgca	gcaccaggcc	120
ccctccgtgg	agaaaagatg	gagccggatt	aagcaccag	tgctaaggcg	actaagacgc	180
cactgcccgc	aggccctgcc	ggaaaatact	cagagagtgc	agcaggcgcc	gcgattcctt	240
agaaaagtgc	ggcgtggcct	ctcctgacac	agaaagccgg	ctcctggatg	cttaciaaagg	300
actggcccgc	gcaacaccgt	tgctcctcaa	cccgggccac	actccaagga	cctctactga	360
gcttcagctt	gctcaccgaa	aacggcgcg	ccccctctac	ccgggatgtc	ggagcccagg	420
agaccctgag	agccccccagc	tctttccgta	attgcaggag	aaggggcaag	cggttccgta	480
gccggggggc	ctccagtggc	attatcctga	accgccacgc	ccgcacgtgg	cccggctaga	540
gctccctggc	gaaggatcac	ctgttcctac	agtgcacaact	ggacctggcc	cgaacccctg	600
gcattctggc	acattattac	cttgctgaaa	cagaagtaga	gattgaaata	gangatgcag	660
ttccatttct	tctgctgtct	ggaaggaatc	t			691

<210> 2563

<211> 773

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (773)

<223> n = A,T,C or G

<400> 2563

gggctttcna	tttcattnnc	ctnntnaaac	acttntctct	gaanagcgtg	ntaggactct	60
gcaggaagag	gagaggtggt	gtgagagcct	ggagaacnnc	tnccccaaac	ttnnccnng	120
ctttnanaca	gggnncancn	atnnntgctn	acgntcagtt	ntntgatttt	tcttcnttaa	180
ncaanattta	ctnatatgcc	tttnnttttg	cntgggataa	acnccctanaa	gcctntgata	240

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tttgatnctg ctaatctatn ttcnctcttc tgcttnggan gacatggnc a ctgtttccag 300
tattttacca atanctngac natcaacggt ttcaacnttc tgancnaana tnaatnggcc 360
actgttttaa cntttcancc aaacnancca tgctcatctn aagnactatt gattgaagat 420
cgtcngcttg nccntttctt cttgannaaa ttttcttgan ttggctaata tgtcccntcc 480
anacatctat nagcnaanga acttttgtn aaagaaanat ttccaaancc ttttctnant 540
ttccccacct tgttttacca aggctaattt nttgaatnaa cgggggggaaa aaaanaaatt 600
ccanaccggn gtggcatttt tcttttccaa ttttggnaaa ccacccctt tntcagaaaa 660
antttnttt taaatttttt taccaaaatc caagggtaaa accaaaaant ttttgncttt 720
nacccttttg gttncacnt tcnttttttc cccctaaacc ccnccaactt ttt 773

```

<210> 2564

<211> 709

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(709)

<223> n = A,T,C or G

<400> 2564

```

nnaccnctg cgantccgtt gctgtcgccg agtgacagag acncnatact ntgattggca 60
atnaaatgtg aaacccannt tcttgggcaa gtcaaattct ggaatcacat ccacctaaat 120
taaaatgact ngctcgatatt tcccccatct tcaagtttca catcctgggc atcaaaagac 180
tcgacagcaa gacttagaat gaaaaagggt acttgtttat attaataattt ttacttgaa 240
cacgtgtagc ttgcagcagg ttcttgatga atgtgctttg tgtccaaaat gcctccccat 300
tgtacacagg tgtacatcat gcatgcacca acacctaaaa ctcaaaaacta aatggctatt 360
ttgtaagggt aatactttca gttaaacagc atgtttgact tgattccatc atgggtgctct 420
taaattacat gtcagtgcac cacaatatc atgatctaag gcagatgact aggttttttc 480
caaaaggaag acagaccctc agacaccaa agccaatcta aacaactccc aggtttgctg 540
tggacaatca gcatggaatg gtttctgcac tctcagtcac gaccatctgt atcttgnatc 600
ctgctttctc tctcaacacc acagttctca ancctgacct tncagagaga gctnttgatg 660
gatacaagan gaatcccagg gccccggatc taagatgccc cttaaaaga 709

```

<210> 2565

<211> 706

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(706)

<223> n = A,T,C or G

<400> 2565

```

taaccatnnt tcgantccgt tgctgtcgcc cgccgcctct ncaagttctt gtggcccccg 60
cgggtgcggag tatggggcgc tgatggccat ggagggctac tggcgcttcc tggcgctgct 120
ggggtcggca ctgctcgtcg gcttctctgtc ggtgatcttc gccctcgtct gggctctcca 180
ctaccgagag gggcttggtc gggatgggag cgcactagag tttaactggc acccagtgtc 240
catggtcacc ggtctcgtct tcatccaggg catcgccatc atcgtctaca gactgccgtg 300
gacctggaaa tgcagcaagc tcctgatgaa atccatccat gcaggggttaa atgcagttgc 360
tgccattctt gcaattatct ctgtggtggc cgtgtttgag aaccacaatg ttaacaatat 420
agccaatatg tacagtctgc acagctgggt tggactgata gctgtcatat gctatttgtt 480
acagcttctt tcaggttttt cagtctttct gcttccatgg gctccgcttt ctctccgagc 540
atttctcatg ccatacatg tttattctgg aattgtcatc tttggaacag tgattgcaac 600
agcacttatg ggaatgacag aaaaactgat tttttnctg agaaaacctg catacagtac 660

```

attccccgcca gaagnggttt cgtaaatacn cttggnccttc tgatcc

706

<210> 2566
 <211> 708
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(708)
 <223> n = A,T,C or G

<400> 2566
 tgacnntnt tcgantccgt tgctgtcget ctccgcagtg agaacctgcc ttggctcccc 60
 tccccctcaag gagttcatag ccgtgggagg gagggagaca agaactgttg gagacaagaa 120
 ctgttagaga ccagagagca agggcgtgat gtggtctgca gggaggaggc tgtctgaggc 180
 agaaccgggt cagggaggcc atggtgcggg taccctccag gcacggcatt tggcctgact 240
 tttgaggggt gcccagggtt ggctacatgg cggggcggag gtatcttttag tgggggaaca 300
 gcgttgtgcc accaggagggt gtctctgtct ccaggtaga ggaattctcc atggtgagag 360
 gtggtggtgg gggatggtct agctgtccac tcttgcccc ttctggattt ggaaggaaagc 420
 cccatgctgg gtccacactg gtatggcgta ttaattaggc agctgctttg tctgggaggg 480
 ggctttgtgt cgagtctccc tgaatgagca gggctggcga cagttgtcaa aacacatggt 540
 gcttggtcag agccccgta gaancccttg tcctccgcag ggcctccnct gcacccgggc 600
 gtgggaatgt gctcttgtgt gtccctggct gtctgcttct ttttacctg gcccttcaa 660
 atngangggg tgggggtaca ngggttnctt taaaaancan acacttgg 708

<210> 2567
 <211> 709
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(709)
 <223> n = A,T,C or G

<400> 2567
 gacctcgatc gaattccgtg ctgtcgggtga ggagaacatg gatatggatg taatgtcctt 60
 cccctttgtt ttctttgcac aaatttcagt ggaaacatgt tgccaagtca gatcgccatt 120
 ctacttgagt gaatatggaa tttgtccagt ttcccaaatg cagagctttt tgtgggctga 180
 tggactgaat agaaagagga acaaccatac acccttctac agatgaaggc aagattttat 240
 gaaagcgact tcattcgttc tcctctgcct ggtgttcctt ctttgtaaac caggaccagg 300
 gagctttgaa tatagcagta tattatagaa tttggtttca ttaaatatta tacctgccct 360
 tagtgtttat attccagtat attgacaacc caggctcctt ctgtacctgt gattgtctgt 420
 gttgagacta ttacagagct ccaaaaatta aaataaaaaa aataatttta cagaaatata 480
 tatttgcatt ggaatattta agaaagttga gtttggatgc cacaagatta taggagtaat 540
 aggaagctgg gcacagtggc tcacacctgt aatcctagca ctttgggagg gtgaggcagt 600
 gaggcaatag gattgttga gcctangagt ttgagaccan cctgggcnac ataaggagat 660
 cctgtctctt catlaagtaa atttaaaatg aattaactgg tggngctgt 709

<210> 2568
 <211> 1078
 <212> DNA
 <213> Homo sapiens
 <220>

<221> misc_feature
 <222> (1)...(1078)
 <223> n = A,T,C or G

<400> 2568

agnggncgac	ccccntttt	ttggngggaa	aaaaaaaaa	accccccccg	ggggggggggc	60
ccttgggtan	canaacatta	ccctnggggn	acccgnnccg	gncnaanagg	agnncccccc	120
nccaaangnt	ttaaanggtg	gtngtggttn	atgcccnaac	caaacaannc	ggngaaaatgn	180
atggnccttn	naaaaacacn	ncaatntttt	ttttntcaa	tgggtntana	tacnaagcgg	240
naanaatcan	nnacagngna	acangggngg	gggcgccana	ttncntagac	atngccnanc	300
taggcacccc	ncctattatt	tcaactggga	atnncnaatc	agnantatna	accacttccg	360
ggtngccnat	gataagaaaa	aaaattannc	nnagtnccgc	atggngnact	atatgnatng	420
cgnaaatnca	nnaagtaant	aagaaacnag	tttttcanca	ttnaaagcta	ccnctcttgn	480
anagnaancc	acangctgaa	tatatctgaa	tgntcangan	aanantcaga	ttaaataattn	540
ttggagcnnn	tacatagacg	catnangnna	gnnaatcacc	nnncaanaga	ncnnnnaaac	600
anacacntca	ccnnnananc	tgacncacan	cnncganaca	nacacgnggg	acagaganca	660
gnannacatc	accacacac	aannnnanac	aanccgananc	agatacngtc	gnanacnaga	720
cctctcgtcg	ncgacgnnnn	tgatgacacc	anacatgcaa	ntgcaagana	nnccaccagan	780
ctcnaacaaa	anatggatgc	aacacgcacg	acgnacgnna	gnnagaccct	acacncttgn	840
atgnaagata	cnntnccnn	acanagntat	naacggacct	agangananc	gcattntctn	900
ttanaaagcn	ncgaangctc	ccaanntcaa	ngnagnngng	anctcacntn	cgcataggat	960
cnaaaancgc	acggaannac	tagancggct	agnctangna	ntccacgcna	ataanacatn	1020
actcannngn	annnnanncn	nnnaccacag	ctatanacnt	gncgtaaacg	tancgcgc	1078

<210> 2569
 <211> 1452
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1452)
 <223> n = A,T,C or G

<400> 2569

ccttctnttt	taacnnntat	ctntanctaa	anattganna	gatnaanggg	ttatngataa	60
tnggatantg	tatnnttnan	gggtatnnn	aacnatttat	nttntgggn	ggtngtanana	120
tnnanattaa	ncttaantna	ntnngataat	nttntncat	ncnaagagg	tgtananttt	180
aatctttggg	gttttatng	taantataac	nngaagcna	ncataagtan	gntanntnt	240
nnntcaaaag	antaccatt	ttannaatnn	cnnttggggg	ganatatata	ttagtccccn	300
cgnggaangg	ncccccctt	gtttgatgg	ngtnatntta	cttatcnnta	tgtntagnta	360
tgntncnnnn	atatntanta	tatctagnta	nntaannnat	acatatctac	cntatagtca	420
naaatngngt	acattttttt	tnatntnnn	ntanttnact	aantatacta	ctantaaant	480
tnntatacnn	tnntaatnta	nacannnacn	gnacnntant	taanaatatt	cntcatncat	540
tngataataa	tnntnaanc	ncnatanttn	ttatatantg	antattgaaa	catanatntn	600
tataactatn	ctagncttta	tatncnaaaa	nannngtcnn	attatncatt	ctattngact	660
antttatacn	nanananttt	tatnacattt	ttcannatct	ntntantana	nttnaatcta	720
aattnttncn	ataannntnat	nttangatnn	taacgtnnta	ntatntaatt	atnaatatnt	780
antantntgt	aatantaatg	atttaanatn	tttnaagata	catngaacta	tcgantatta	840
attatgtant	tatctantta	atacnaaagt	tatatangga	atnatntctn	tcaatatnaa	900
tggtanaata	tatacttant	acgtaattaa	atanataata	taaagtnaca	tatatnaang	960
tacnctatnc	actctnanta	tagtnttana	tanaatacta	nttnatcgat	atgtnatcgt	1020
tannttatnt	actattatat	attctntgan	ngtatnttta	ggtnntatc	ttatnacagn	1080
nnatgtaaac	ntatctctaa	tantntntna	gtannntatc	ntnntatnta	cttatctaat	1140
ctatattaat	cnttggtatt	ntnccttnc	gtactatgtg	atatntatna	tanantactt	1200
ganaannata	tnatgaaaa	ttattatatn	natgttatta	tannntgata	tantacatat	1260

nttatatann aactntattn tntantctn tgttacanan nnntatagan ncanagtnta	1320
nntaagntat cganatnnta gatannttat gnnatngatc nctatcnaa atanccgtrn	1380
ntgattntac natatntaat ttnatnnata ngatatncaan cntattnacn atnatntnt	1440
ntatcnatta nn	1452

<210> 2570
 <211> 761
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(761)
 <223> n = A,T,C or G

<400> 2570	
acncatcatc cgnntgcnc tntanncccg ntanntcttt antgtctgca cntgnaanca	60
tncnttngga gctccncnat actanggana cgcncctgac gctacnaaca ncnagatgaa	120
atatgtatnt atgnangccg atagnggccc nncatgggtca aaanaccgcn cntaacgccc	180
nngantnnat atctggcttn ntcccatnng tgnccnctg caataactna gctgncnct	240
gtcnantecn ntntnnant nngcnagt agtnttagtn tttggcattt acagtntttt	300
antatttaca gttgatgatg aaanattcgt gaggtgctgc caaatataca tcaaaagggtg	360
gagcttgnt ggccaactng ccacctgatt taatcaacaa ctactagtgc tgagatgcan	420
aaagggggaa aatggaggaa ttatggacca aagtctgtct ttatagatga cantcacagg	480
acaagggtta ggctttgact tgcagactnc tntctttgct ctggncaccc ctgttnacca	540
caagccctna attggggcnn ttcanaant atntcttggg nggcccgggc nccggttngc	600
ccacattctt gntattncct tncctcttt nggnaacngct ttaancnnt gnttaaaanc	660
aaacgntaan gtccagggna anatttttat tancnaanc cngggccnna tntgtacgct	720
tgaanaaat cnccttnttt ataccaaatt catcnccacc t	761

<210> 2571
 <211> 704
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(704)
 <223> n = A,T,C or G

<400> 2571	
taccacgac gantccgtgc tgtcggagtg acctgttctc ctgagtgtc tantgtctcc	60
agttgtcggg gggaaagatg atggagggga acagaaactg gacttgatgt ttgcggtttg	120
agaggcaaga aaataaaata actttctacc tctaaattga ggcttaggag taaaagcat	180
tttgtcctaa atttatcatt taaaatagca tcagtaactt ttgagctcat gtcaatcaag	240
cattggcagt cagagatttt atagggaaga ctaagtaaat ccagtttcca agaacctaaa	300
ctgattgagg ctccaagagt cagaccaaca aaagttttat tctgtgttgt ttactggtaa	360
gaatattatt atcttgatac tacctctcaa gggattgtt acaaaatgcc acttatggtt	420
aaagagatag atacaaagag ttctatttga cagaagcttg aaactctggc atctatctgc	480
ccaacgatgg gggctttcgt tctgtaattt aatcctttgt agatcattat ttgtgtgtaa	540
ttttatacgt gttcatattt ttctcatttt gcattgngta aagtgtacaa aatctcaaag	600
tatnaaatac tgcttatatt gcttgtaatt acagngtgta aatattttct aattgggtca	660
ttgatggggg ggacaagtgg gttttcangt tttttttaat gcc	704

<210> 2572
 <211> 1078

<212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(1078)
 <223> n = A,T,C or G

<400> 2572
 gaatatngat cttgtgtant cggagaagag gtgngctccc cttngccccc tcagcgagcc 60
 cagcgtgggg accactcttc cggggagcaa ggccacgccc ntggggggcac ttctcaggcc 120
 agacagattg atttncngc atgcggatcc ctggtnncn aaaatagttt tgtttgaatg 180
 cnattctntt ttngngnngg tacgtntttt nttttnttcc anttaacatt cttntnntat 240
 nnananaaaa atntattaaa aggtngntat cccattatta aaaaaagnag aacntnttgg 300
 tanncccttg angaagaaag ccctggtnaa nnattcccat tgcnnancnc ctaaaaatnn 360
 gnactttttt cgaaaacana tncnnttat ggactnnttt tgtaattttt ttttanaaaa 420
 attatgggtan ttaattttat attngtaact natnctgnta tnnattaata tnnctatgat 480
 atantncatg tngcctacnt ntaatanttn ttantatttg tnnnacnatt attttccctn 540
 ttcnactnnn aantctttct aanatttgat cgtnnatnaa ttnntatttt tattattatn 600
 natgatttaa gttctttttt tttttttatt naatattata tatnttaat atcttatctt 660
 ntcnttnnag anntatattn atntgttaat tatttatagt antatatact tactctaate 720
 actnnnactn nttntttatn tntacatnn ttnctnntta taactatant taatatatta 780
 cattaaatgt attanngaaa tataattntc nntatcttat tttannanac gatantatnn 840
 tattntacgt atgaatatan tnagaaatnt tatttatgct ttanataata atctttngta 900
 ntttatttaa tnatanttat tttanaattt ctaatgatnc tntatacatn gtcnatctta 960
 acatatntta gtntatnaaa gattttaga tntaanntaa gntcttctn gtnatngnat 1020
 ctaatntatn tctntatnaa antatantaa gttangnta tctctatgct ntnnancn 1078

<210> 2573
 <211> 1060
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(1060)
 <223> n = A,T,C or G

<400> 2573
 ccnngtctn nanntntn ntanaannat tnnntnann ctnntttcna anataatnaa 60
 ntntatnatt gggngnanc atcntaantn ntntatagna cntcatncc acnnannng 120
 agngttatat aatagntatn nntntntna tntgntnnn nnnnnnnnnn nnnnnnnang 180
 ataaacantn ntcnantccg ggggctgtna ttntgcactc cagcccnng ctaataagta 240
 gggaaactcc gtctcaaaaa aaaaaagtan ccatantent nngggaagac cttacngnag 300
 agacttgta gngganacct gaaggaaatg aaaagggaag gagtctgtnc tgatntctag 360
 gaggaggaat ntccagcn gacggaanag aggcacaatg tctttgagga aggggcatgt 420
 tgggcatgt cagaggacnn nnaggaggcc aaantgggtg gagcaaaaaga gccaggggg 480
 agaggnattn aaaggaanaa caggccaaat ggccataaaa tntgttngc cttgatggg 540
 acattggccn tgaccctgat caaaataggg ggtgacagc nacagggaaa ctagggagga 600
 ggcttgngng ctgcncatc atttgaggan accntatca tgtggaaact actgtgnaat 660
 annnttttg ggtanntccc ttttaaaaaa acnngtcat tttccggtt tngcncctt 720
 gtgggcttna caccctnta aatnccnaa ctaatttttn gggaangccc aaagggttg 780
 ggncaaaaa caancnttg aaggtncann gaattttntt aaaaaanctn anctctttga 840
 anccaaanna tngngngtaa aaaaaacct tcnngnnct tttcaattnt atagaanaat 900
 taccctaaaa aatttttctc cttngtaaa annggtgngt aggnacnca aaataaaccc 960
 cngtgagaaa attnccccac annnttttac cttttgngg ggaaaaaaa tgaaaanggc 1020

cccngnngnna aaaanaattn cgnctcttna gaaaaccccc

1060

<210> 2574
 <211> 737
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(737)
 <223> n = A,T,C or G

<400> 2574
 aaccacgacg gantccgtgc tgtcnggnna tnaataatth atggacactg ctggacctca 60
 gtctcctcat ctgaaagatg agtgggttggg gaagtthaat ggthtttcaaa tgctthttttt 120
 ttcagtcttc aaataagtgt ttacgtagaa gcaccatata tgaacagggtg acagtggacc 180
 agtctgaatg aaatgagggt tggcaggcct gagctccaaa accttctgat tgcccaagcc 240
 ctctctgtct tgcctggatt atctccacac aaatggagaa actggacaag gtggatcatgg 300
 aggtccctga aagctcaaag actttctcat tccaggattc cccatgttca tatgccagca 360
 tggcatgggg gtgctctgta gtcaagcagg gtcctttggg gggcttangg atggagccag 420
 gaaatggctc tgggactcag cgggtgtcca gantctcctc agcanggttt ctttactttc 480
 actgagtggtc tgggtgcctgc acacttgagt tttgccagct tacttctcac aaaantgagc 540
 ttttctggaa gccccccaac tgnaaacccc ttttccnttc ctggaacctn ggtncggact 600
 tggnggncct gaaaccaccc caaggccctt tcccccantg ctgntggaaat gggncaaact 660
 ttttttttgc acccctccnn ggthtgnccc aaatnnaacn cttgataaaa aatnctnnga 720
 agcccaaat gcccctcg 737

<210> 2575
 <211> 706
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(706)
 <223> n = A,T,C or G

<400> 2575
 taacnttnan cnantccgtg ctgtcnagag gagaacaaac tgggtgctga agccatgggt 60
 tccctgggaa ggtggaccca cctgtgcggc acctggaatt cagaggaagg gctcacatcc 120
 ttgtgggtaa atgggtgaact ggcggctacc actgttgaga tggccacagg tcacattggt 180
 cctgagggag gaatcctgca gattggccaa gaaaagaatg gctgctgtgt ggggtggtggc 240
 tttgatgaaa cattagcctt ctctgggaga ctacacaggct tcaatatctg ggatagtgtt 300
 cttagcaatg aagagataag agagaccgga ggagcagagt cttgtcacat ccggggggaat 360
 attgttgggt ggggagtcac agagatccag ccacatggag gagctcagta tgtttcataa 420
 atgttgtaga actccacttg aagccaaaga aagaaactca cacttaaaac acatgccagt 480
 tgggaaggtc tgaaaactca gtgcataata ggaacacttg agactaatga aaganaagag 540
 ttgagaccaa tctttatttg tctggcccaa atactgaata aacagttgaa ggaaanacat 600
 tggaaaaagc ttttgaggat aatgttctaa actttatgcc atggngcttt caagttaatg 660
 cttgngtctt ttggcagaat aaactttcaa ttattaaaaa ggactn 706

<210> 2576
 <211> 712
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(712)
 <223> n = A,T,C or G

<400> 2576
 tacctcgntc gaattccgtg ctgtcggacg gaaaccatgt ttgtggctcg cagcatcgcg 60
 gcggaccaca aggatctcat ccacgatgtc tctttcgact tccacgggcg gcggatggca 120
 acctgctcca gcgatcagag cgttaaggtc tgggataaaa gtgaaagtgg tgattggcat 180
 tgtactgcta gctggaagac acatagtgga tctgtatggc gtgtgacatg ggcccatcct 240
 gaatttgggc aggttttggc ttctgttctt ttgaccgaa cagctgctgt atgggaagaa 300
 atagtaggag aatcaaatga taaactgcga ggacagagcc actgggttaa aaggacaact 360
 ctggtggata gcagaacatc tgttactgat gtgaagtgtg ctcccaagca catgggtctt 420
 atgttagcaa cctgttccgc agatggtata gtaagaatct atgaggcacc agatgttatg 480
 aatctcagcc agtggctctt gcagcatgag atctcatgta agctaagctg tagttgtatt 540
 tctttggaac ccttcaagct ctctgtctca tcccccatg atcgccgtag gaagtgatga 600
 cagtagcccc aacgcaatgg ccaanggtca aaattttgaa tattaatgaa aacccccagg 660
 aaatatgcca aaagcttgaa actcttatga cagtactgg atcctgttca tg 712

<210> 2577
 <211> 993
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(993)
 <223> n = A,T,C or G

<400> 2577
 nncncttate gantccgtnc tgtcgggaca ctttgtgant cccattngan gangcnctgg 60
 tgtgtgngng ggatgaggtg ctggtgtgcg gatggatgag gtgctggtgt gtngntggat 120
 gagatgctgn ngtgtggatg gatgagatgc tgggtngtgg atggatgang tgctntgtgg 180
 atggatgang tgctggtgtg tggatggatg acgtgctggt gtgtggatga ggtgctggtg 240
 tgaggatgga ccacnttngg gttttcncgt ttnggcactn ngngtgantn cncctttctg 300
 ctcttgcant tgnnncctgc gaaanttcnc cggacanngt catacatctt tgtatgcacc 360
 ggcatactt tgggnanatg attncgtnc tctgttngg ttngggaana nannatata 420
 aaatgtncct tntcttaca tnttatcctt nncaccccn cctntgngg ctcccaagnc 480
 nattnacctc cactgnttc tatcctcgc cncgantgtc gtnatncaga gggngatccc 540
 actcaacntt tttnggatct cctttcnaa gtctttnnat nantcctnn tcntttncct 600
 ttgtaagtct ntnaatgnta gctctccana aatattctnt cccttgcggn naaaaaanan 660
 annagaccct cactcttctg nggctntgag agcacacntc aactcctctc ccccatcttt 720
 nctnttnttt naacnctat attatcncta ttatcactct ntggtaagac gtnacccnc 780
 tnntaaccan tatnctttt cgttnnatann aaccnctct ttatcattag gggactcttt 840
 ttntaganat aatntcttac atangcacgc nttnaaaata ntacactcgc ggtcnnncac 900
 tctantant atncaactnn cccncccc cccctntctt cntcnnccc ntcttnttg 960
 cnntctctng tnttntact tccnatntan ncc 993

<210> 2578
 <211> 675
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(675)

<223> n = A,T,C or G

<400> 2578

ttttnnnccc	ntgaantaaa	aaaactagca	cantcnnant	tgctnnntga	agataagaac	60
cataacatgt	atgttgacag	atgtacagaa	gttgaagtga	aatctactga	ggaggctttt	120
gaagttttct	ggagaggcca	gaaaaagaga	cgtattgcta	atacccattt	gaatcgtgag	180
tccagccggt	cccatagcgt	gttcaacatt	aaattagttc	aggctccctt	ggatgcagat	240
ggagacaatg	tcttacagga	aaaagaacaa	atcactataa	gtcagttgtc	cttggttagat	300
cttgctggaa	gtgaaagaac	taaccggacc	agagcagaag	ggaacagatt	acgtgaagct	360
ggtaatatga	atcagtcact	aatgacgcta	agaacatgta	tggatgtcct	aagagagaac	420
caaatgtatg	gaactaacia	gatgggtcca	tatcgagatt	caaagttaac	ccatctgttc	480
aagaactact	tnatgggga	aggaaaagt	cggatgatcg	tgtgtgtgaa	ccccaanct	540
gaagatttat	aanaaaactt	gccagtcata	agatttgcng	aagtgactca	agaagttgaa	600
gtaccaagac	tgtacaagc	atatgtggtt	acccctggga	ngagatcaaa	accacctcga	660
ggncagtggg	aatga					675

<210> 2579

<211> 667

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(667)

<223> n = A,T,C or G

<400> 2579

tnnctgtctg	tcgattacat	ntnncngctn	aggcgctggc	agctgaagag	cgtgttagga	60
ctctgcagga	agaggagagg	tgggtgtgaga	gcctggagaa	gacactctcc	caaaactaac	120
ggcngctttc	agaaagggag	cagcaattgg	tggagaaatc	agggtgagctg	ttggccctcc	180
agaaagaggc	agattctatg	agggcagact	tcagccttct	gcggaaccag	ttcttgacag	240
aaagaagaa	agctgagaag	caggtggcca	gcctgaagga	agcacttaag	atccagcggga	300
gccagctgga	gaaaaacctt	cttgagcaaa	aacaggagaa	cagctgcata	caaaaggaaa	360
tggcaacaat	tgaactggta	gcccaggaca	accatgagcg	ggccaggcgc	ctgatgaagg	420
agctcaacca	gatgcagtat	gagtacacgg	agctcaagaa	acagatggca	aaccaaaaag	480
atttggagag	aagacaaatg	gaaatcagtg	atgcaatgag	gacacttaaa	tctgaggtga	540
aggatgaaat	cagaaccact	tgaagaattt	aatcagtttc	ttccanactc	cacagatcta	600
gaactntttg	gaagaacgaa	acctagaggg	aatggaactt	gaaanacctc	attnctgatn	660
agacttg						667

<210> 2580

<211> 704

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(704)

<223> n = A,T,C or G

<400> 2580

taacctcgnt	cgattccgtg	ctgtcggtan	accaagatag	ccaagtggaa	cctgcaatca	60
agaatgaata	agaatgaggc	tatagtgatg	aaagaagcaa	gtaggcaaaa	aactgtagct	120
ttaaaaaagg	catctaaagt	ttacaaacaa	aggcttgacc	attttacagg	agctattgaa	180
aagcttactt	cccaaattag	agatcaggaa	gccaagttgt	ctgaaacaat	ttcagcttcc	240
aatgcctgga	aaagtcatta	tgagaaaatt	gtaatagaaa	aaaccgaatt	ggaagtacag	300

```

attgaaacaa tgaaaaagca aatcattaat cttttggaag atctgaagaa aatggaagac   360
catggaaaaa attcatgtga agaaattctt agaaaagttc actcaattga atatgaaaat   420
gaaactctga atcttgagaa tacaaaatta aagactacac ttgctgcttt gaaggatgaa   480
gttgatctg ttgaaaatga actctcagaa ttgcaagaag tagaaaaaaa aacagaaaac   540
ccttattgaa atgtataaaa ctccagtaca aaagttgcaa gaagcactga aatagtaaaa   600
aagcagatgt gaaaatttgc ttcctaaaaa ttaccatta ccaaaaccca aaataaaatg   660
ttagaagatg aaaggcccat ggagtctcac tgaagggtta gage                       704

```

<210> 2581

<211> 1252

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (1252)

<223> n = A,T,C or G

<400> 2581

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nnaacnnnngn ncaaatcccg tgnctgtca gccgccgct cccccccna cactgnnccc   60
tgcggtgntn gaaaacacca cctgatggcc atgganggct acnnnnagca accggggtn   120
ttctgtcaat atcaantnng attcattaat ntctgacat tactggacaa gatggnacnt   180
gccatncana aagctagtng tntntcnta tnttttcta atacnacga gnnanactan   240
cntatnnntn cntntngnc nngatttang nnnncntnnn aatnntaana atcntcnana   300
tnatcttnan ncntnatnnn ttctananna ntnaacatta nattacaann cttacaaant   360
ccanantnna atantctctc tanatagaat atggcaataa tntatnctat cgtngtagt   420
tctcatantt atcnantgct natatnnagt ntaactncca catactantt canactatat   480
nnctatcanc tcaactctctn ttacggntcc tacntaaaac tcnatacntc tctatnttnt   540
antatctatc nctctntnta tatntctage cactnnnnct tancctcata aagtntnaat   600
cacannntnt ntntntgatn tcttcatata gagctaantc ancatatant atttcataat   660
atcgagtatn atncnganat ctgntctta ntactnnngna tatacacnac atatatcnt   720
nantccaatn attannnanc nctatatanc natctctant cncactattc tcnctgtgat   780
nacantagaa atacnnatat ancacctctn tccnanaanat tntcnacna tctnacatcn   840
nttgactcc actactnaaa acnngnacat gtcactctata ntantctntc tatatacagt   900
nnaatnctna atanactcgn ctttcanaaa gntnanacga tanatgannn tncnnacna   960
taatcttnac ctactactca natgganntt gctctnataa taccagncca tggncncatt  1020
tcactttttn tacactgatn tctntatact naaanannat agtatgttca tgntactcac  1080
ncatntncaa ttccanatan tgtntgtntt atcgtncacn tctgagatcg atctnatana  1140
tancnantcg cnttatncan actcnaatcc tagagnccat cactccnacb ntaantatat  1200
ctntacatnt gatggcgntn tcnctntct atctntcana aacnagatng cc           1252

```

<210> 2582

<211> 1306

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (1306)

<223> n = A,T,C or G

<400> 2582

```

cctcttcccg nnngtntnnn tcntntgaat gtnntntatg ttntgtgtnn tantgntntn   60
tntgttctnc atngtgttcc tgnntttgt aantacnntn natatnantt gtggagnnan   120
ataacnatnn natatnantt ctngatgatn nntnncnna ttaancntga tcgantccgg   180
ggctgtnttt ctccgcanag ggcctctgcc ttgntcttc tataagacaa ggngtncata   240

```

```

atnnggggnat gaccttgaga caanaactgt nggngacttt ttctgccata gaccagatng      300
ctatggntga atataatggt ttgntnecan ntctannatg catanntgnt tantctnttt      360
tcggnnngng nnnnatnnng tcgttttntt tnatttctca tnaatnctnt nctctattnn      420
cttatngngt gtnnecgtgt tcntgnntan ttntgtngnt cttanaagtt ttnanaaatt      480
ttngntntga anttacnaaa nnttgnttnt gannttnttn nnattgtnta nancnntntt      540
tccatntnat ttttatccga tatntntnnt tcntttcentn tgttctctta ttngatttat      600
anttantnna ctgtntctac attntatnag attctagtct gtatgattng nantntcnnt      660
anattatggt ntccnggtgt ntgtaanaan nncangttat gnnatgataa tttagnnann      720
tctggtcnnn acatcttnc nctaactatn tntntgtctg tgattnnanc nntcatantt      780
tngantttct ttctttttnng aattaatatn nntngantgg tgaatgnnca tatcacnttg      840
cgcntagcta cttatgtacn ttttctctca cagcacnctt tcatacatth atatagatca      900
gnannntatn tngattngca ttctatagtn tngtatttc ctctaactct ctntgtgnca      960
acattgcgtc tntnnntaan gatntacata agcnatanca tnnnatnttt nttnntcgtt     1020
nttgttnntc ntcnntggta tntatatnnt tcttatagtn antntgtnta tnantaannt     1080
cttntnatan tatcatagct tttagggtnt aatantacgn ggntatntcn nttaccttag     1140
tgtantatat natatntnnt aatacatthg gngnctgngn acntnncttt ttnnttatct     1200
atatctatga ngngtntcca tatnanccnt attgngatag ggggtntctg gtggtnacca     1260
ctnnngantg tctnttatat nttnntnntn tntnacnatt ctctnt                       1306

```

<210> 2583

<211> 728

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(728)

<223> n = A,T,C or G

<400> 2583

```

tacctcgntc gantccgttg ctgtcggaac cctcaacaga cactgccgta acgaatgaat      60
gggagaagag gctttccacc tccccgtgct gactggccgc caggcaggag gatgcccca      120
tgatcgaacc acttgccctt gaagagaaaa tggaaaccaa gacggagtcc agtggaatag      180
agacggaacc caccgtgcac cacctgccgc ttagcactga gaaggtggtg caggagaccg      240
tgttggtgga ggagcgcgct gtggtgcacg cgagtgggga tgcttcttac tcggcgggag      300
acagcgggga tgctgcagca cagcccgcct tcacaggcat taaagggaaa gagggctctg      360
ccttgacgga gggggctaaa gaggaaggag gggaggaggt cgctaaagct gtcctggaac      420
aggaagagac agccgctgct tcccgtagc gacaagagga gcagagtga gccatccaca      480
tttcagaaac tttggaacaa aaacctcatt ttgagtcctc aacggtgaag acggaaacca      540
tcagtttttg cagtgtttca ccgggaggag taaagctaga aatttccacg aaggaaatgc      600
cagtagttca caccgaaac ccaaaaccat cacatatgaa tcatcacang gtcgatccca      660
ggccccaaga tcttggaagc ccaggcgctg cttgatgagt gccacagacc gatcaccttc      720
ttgaaact

```

<210> 2584

<211> 710

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(710)

<223> n = A,T,C or G

<400> 2584

```

agcctntnn atcccgtnge tgcgctctg tttctctggc taatgtattt ttatcacacc      60

```

```

caagaaattt aacgtttata agatgtaatc atttaataata ccaacatgt gtatactgct 120
tcagttgctc ctcagattcc tgaatctaata cagatataaac actttgcatt ttgtttaccg 180
gtctctctag tcttctgtaa ttttccagc ttttcccat aatactgatt tttttttcag 240
cattaaagct agctctcttg tagagtagtc cacagtctga atttatctga ttgtttcatg 300
attagattca gattaaatat ttttggagaa atacagcata ggtgattttt tttccctggt 360
gcattatata aggaggcatg aaagggttagc ctgcatgatt attggtgatg ttaaatttga 420
tcacttgatt aaggtagagt ctgctggtag aaaacataacc tttgaaatta aaagttatca 480
gtaaccaaag attatcttgt tcaatgacca tctctcatct aatagggttt gtcatttatt 540
tatgatcctt gccagaatca gtgattacct tagtggttgc aaaatattga ttttctactt 600
caagagatgt gttaaaattt ctttttaaaa attgttacct taagatggcc cttggctata 660
gtaatcattg ctctttttat ttanaatgga ttaggaagtn tgtgagaagn 710

```

```

<210> 2585
<211> 1453
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(1453)
<223> n = A,T,C or G

```

```

<400> 2585
ctcgctccnt atnnantntt aannctgtgt nctatgtat gntnganata tcntctantt 60
nggattangt atctattgan tttttttnta cnggggtcnt attnacntat tncntttac 120
ancatgggtt ntnnnntntt nnttaccnng atcnannccg gggctgtntt tggtcaccga 180
gatgcgcctt ctgggacact tccccttggg gccatcatcc ctgctectna ctttcttcc 240
tctccccttc ccatgngatg tgntgcttga ttgtttttac ccctcncant tttttnatan 300
tantctntnc aatanncant ntatancttt antntcnact tnttnanact atnatcttct 360
ntcnntaact cactnttatt nttncntttc tatgatgaan nttntntnta ntncgatttg 420
acnagntntt atgataatct nataactctc tcntaatata tnanntntng ttttatnttg 480
ttacctngta tcnnttact tatnttnact ntacntatct ntntctantn tnntatttaa 540
ttcttanact attctaanc gcactnttct attgtantta ttaatgnnc anntngtcc 600
tncntctcta tacacancta ntacattant nntagntaac tatecnnnnt attntctgtc 660
cgtntttctt cnttangntg tnnntcanat atgatnctg tttgncnact ctgactatcn 720
gnacattttc tnggtattcn cagggacnct cnctcntcat ntcatnaca nncatntatn 780
ctatacnta ncttacnaat nantacnntt ntcanaatn cnatcntnctn tatagtntnt 840
tatnttatct ataantaatn taagtacntn attcttttta ctgtcncnaa acaatgccat 900
gntatctacn tcatcnatta tntntctnn tacnangta ctatnmtctn ctctatctaa 960
atnatntctt cnaanncgta tagntatctt aatntantnn anataatacc tatngntant 1020
acgtatccta tcaanatnat cgnnacnct tgatctgtta tnttantnta ntaacatanc 1080
ttcntatcta ngttaagnat gtatatatna ncnmacatna nntattctat gcntaantat 1140
cttatnntat tanntcancc nctctcnctn tcntatactt tcntaaacgc actatatnnt 1200
gtanatntaa ctaancnct ctctatctat gttcacctnt tatanaaatc tatcatacna 1260
ttananntcg atngtatcta tntctnttct catactngt ntctgnaacc ctnttaccag 1320
catcacttat ttctngatna nctatntaat ttccgntacg ctannctnt atgtaantn 1380
nttnnnaact natntctcan ccnctcnta tctaaanngt tacncataat ntacctgtct 1440
cncgnncatn nnc 1453

```

```

<210> 2586
<211> 711
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature

```

<222> (1)...(711)

<223> n = A,T,C or G

<400> 2586

tnaccacgat	cgantccgtg	ctgtcgaaat	tttccagttc	ttttttcagc	ttctttattt	60
cctcctaattg	gaaacattat	ctttaaaagt	tgcatatagg	aaatatacat	attttacgtt	120
tgaacaagga	gatttaattg	taaatatgaa	agccaaagta	ttcctgaatg	gtcaaataca	180
gcaataaagg	cagaagaatt	aagatttttc	tttgttccat	tgtacagtgt	aaataactaa	240
gttggttaact	gtcaagtcca	gttatgtatt	ctgtaagttg	tgttctagtc	tttgactaaa	300
atztatcatc	tcttataatg	ggacttaatc	tttctctaaa	agcatataag	agcttgtcaa	360
tagagcaatc	aatcaaaaag	attttgtgat	tcataacatt	gaagttagtc	tggttaagag	420
ttttgggtta	gacttcattt	atattttcct	tactaatatc	taatatttaa	tgaataatga	480
tcaatttttt	ataaagttat	taatatgata	agggaaaacct	ttgggacttc	tgacaggcat	540
ctgggtgaaga	gacaattcaa	gccttagtga	ctatttagaa	tagccagtga	tcactagcta	600
attctcatat	ccatgccttt	ttgtcctgtt	tacagtctta	aaangangtaa	aacagcaaat	660
attttttttaa	gggactatac	cttaaggatt	cctgaaaaag	aatttcaaaa	a	711

<210> 2587

<211> 704

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(704)

<223> n = A,T,C or G

<400> 2587

taccncgntc	gantccgtgc	tgtcngcctt	ttaatagttc	cagtgagggtg	agagctggat	60
gaggtgggta	caacagaatc	atcaaaaatc	tggccgttga	tgggacctca	gagtcacttg	120
aggaagcaac	atttgagcag	catctaggag	ccttctggga	aaagatggag	aaaactaaag	180
acgttagggt	tattgcaaac	caatcaatca	tactcactga	tcacctacta	gaggaaacct	240
gtgataaac	ttgtggggag	atztatagaa	agaagacgta	tttgacatc	aggattttac	300
atcatgatgt	gtgcctgtgt	gtgtctgaaa	aatactagca	taacaagctg	gtgagtacac	360
tatgaaaaaa	aacaacaaca	cctacttcat	ttggcagagc	accagaaatg	agggggtaat	420
gaggtcctgt	ctttgtggca	tggtaaaaaa	aaaaaaaaat	tgccctttta	attcagtttn	480
ttnttctgaa	atgaaaaaag	taanatttac	cccctgaata	cttgacagga	tgtttgcaag	540
gcttggttaa	ttnttgtaaa	tgttttgagc	tcctntgang	ngtgtgttct	ntaaatagga	600
ggtttaatat	caccgtcana	ctgaacaaac	tganttgagc	tgcantnntt	ttccgggaaa	660
naaacccaac	cccntaaag	cntgaccccc	ttctgggntt	gcnc		704

<210> 2588

<211> 726

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(726)

<223> n = A,T,C or G

<400> 2588

tacctngnnc	gattccgtgc	tgtcnnactg	antaggtngc	gcngtncana	ctnacacagc	60
acctcgnttn	tacacaggag	anngaaatgg	ccgtacttcn	agaactgcag	tgtttgtgag	120
gggatattnc	ngccnnnnga	ntttnggatg	tncatggnga	ttgtntnaag	gtnnngngnn	180
tnnccnnnat	gtggactttg	aatggtncat	caaaagattg	gtttttgcag	agatttttaa	240

```

gggggagaat tctacaaana antgntacct nnttannncn ncntnaanga tganaatcct 300
ggtngaagnt ngttnaaaaa nngctaaatt acntagacnt angcattanc nntnngngn 360
nncaatntng ccaccnctn tggnatcatc tagagtgaat gttaccaana tngcattcta 420
agntctatnt aactgactcg cactgnatga cgaattttaa aaccttcttt gnatnggntt 480
ancaaaactg tgcntcacca ttgcacantt antgtcctat ctatncatnc gaaactttgg 540
ggggcctggt agccnacact tnaggaccng gccatctcat tgggactcat tgatggcttn 600
tntncntana aacantttnt gttttnaacn gggatnacc tcttntttan gggatttttt 660
tttngaccc caannactan tttgagnatn ttnnttttgc gcaaaaaaaa atgggtttct 720
ttannt 726

```

<210> 2589

<211> 1444

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1444)

<223> n = A,T,C or G

<400> 2589

```

cccccccn natattannt gtgtcnact nnanggagtn nttnttttn ctctnnnagt 60
tntangttaa tcttnatnan ncntncntcc agatacatag angcntgggn tnttcccca 120
tngcccttan ngggnntttn taanaanta atccncnnt attgagcatc nttncgccn 180
atnagaacnc ngggnntatt ttngaactag gaanatcggt cacnncntng cnggtgagtt 240
catgattaat anattacana ngtggatnaa nttnnaaanac gtcagtanan ctatntnta 300
nnctnagana gngtgantgn antnncnnac gaacngannt nntatngtac tncgtangta 360
ggntactaaa ttacctnnan ataatacat ctaagtatng tgggtctcta atgttatgaa 420
ngntacgctn ttaanngttn gttnttgcgc gntanntanc naaacatann taactantgg 480
tgacaacatn tngntcagen acnntctctt aannatggga angnacanat gncngnatcg 540
tacattangg ctgngtate atgagnnctg ntnataaang ataaggatan ntntccntaa 600
tggaattcta antgtatggg canataaaan gtanntgaaa ncgnntngcn aattgctacg 660
aanantgnat gcaatagnng aagcgatgt aagggtncgc tctntacgn anatatatag 720
tnttgnatn ancgatnta taanntatc ttatgtatat cttnnacatt ttaagtaca 780
cgtgaangan nttgccanng cannattaca tnacattgnt ntnagtaagt gatnggnaca 840
ngcttaggga aatcantgag cncagggnat ntnaatatna tcgggnntacc nttaggnatn 900
ngaanatgnn natgtaaaag ngttcnnaat atatactntn aacgatctgn nangtgtang 960
gagtnttcta acacanggtt aatntacggt nagtgagnga aannnattan gtatncatat 1020
anaatngtga agcaaagaat ntcgaacnct tanntcacnt tcagctatnt aagctngagt 1080
acacnagcat tnnntcntna nntaancaat ngctacacgt ctanactngc natatggtag 1140
agnatcacan gaacgtactc ntttatnctc aggaatnnat gaacgggtgag actntntaac 1200
gtntacangn naggaatat natncnatgt ctagnatna cnaatatntt ctaacngacn 1260
aatnangtan tnggtgntn aannacntcn tgnctatnt tnnatntntc cacatantat 1320
atncngaaga tcaatatnt atcatnactg tatgntagac nanttggtan tantaanaac 1380
gnagcnctan acnntnncgc aggantatnt annnacntng tacgnctnct atacnnntan 1440
nncg 1444

```

<210> 2590

<211> 739

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(739)

<223> n = A,T,C or G

<400> 2590

```

naaccacgat cgaattccgt tgctgtcgtt gtccttttct aatagttcgt gttttagaaa      60
ttcagaacaa acaatttctg aatgctcctc agaacgccaa ctcaggcaga gaatctcacc      120
gaaatagaga agaagctcat gctcctggaa gaaacagccc gaggagagcc gctgggccac      180
atctggccac tgtccgcagc gctgtcagat tgctggggcc acatctggcc actgtccaca      240
gtgctgtcag atccaaggag agccgctggg ccacatctgg ccactgtcca cagcgtgtgc      300
agatgccgac caaacctgc tttgggtgtg aggtgggttcg tctggtagcc tcctttctta      360
agggtattta atctgtcga aattgttttc atgtatgcaa tagatgttac tgtaactgtt      420
ttataagtg cattgtcttc accttggcag gctctgtgcc agtctgtgtc tagtctgatg      480
ccattcctgc acacatacat ccttgcccca ncattttgga nggctggagt taaggataa      540
tcttgggtgg gacttaatat taactatttg ggantgggaa cttaatatg gatcctcatg      600
gtccaactgg gcccacctt tcccaaaacc caaaaaaang gntgaanaat ttntcttttt      660
taacaaaaaa cattttaacg attaagggcc aatacttntt aaaaatnagg ttaattaaag      720
tttnattncc ccaccaat

```

<210> 2591

<211> 704

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(704)

<223> n = A,T,C or G

<400> 2591

```

naaccncgnt cgantccgtg ctgtcggcag agcgaaaggt ggncgagtc tgaaggagg      60
cctgatgtct tcattcattct caaattctta ggacggctcg gccctggaag gaacgctctc      120
ggaattggcc gcggaaccg atctgcccg tgtgtttgtg aaacagagaa agataggcgg      180
ccatgggtcca acctgaagg cttatcagga ggcagactt caaaagctac taaaaatgaa      240
cggccctgaa gatcttccca agtcctatga ctatgacctt atcatcattg gaggtggctc      300
aggaggtctg gcagctgcta aggaggcagc ccaatatggc aagaagggtga tggctcctgga      360
ctttgtcact cccaccctc ttggaactag atgggggtctc ggaggaacat gtgtgaatgt      420
gggttgcata cctaaaaaac tgatgcata agcagctttg ttaggacaag ccctgcaaga      480
ctctcgaaat tatggatgga aagtcgagga gacagttaag catgattggg acagaatgat      540
agaagctgta cagaatcaca ttggctcttt gaattggggg ctaccgagta ctctgcggga      600
gaaaaaagtc gtctatgana atgcttatng gcaatttatt ggtcctcaca ggattaaggc      660
accaattatt aaggccaaga aaaaaaaaaa aaaaactcct ggnn

```

<210> 2592

<211> 1481

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1481)

<223> n = A,T,C or G

<400> 2592

```

cnccccnncn ancannngng ntgaaagntg tgntgatgga tatnnaantn antatatggn      60
ntatattaat gttttatnng taccctntn aggtntnta nntagnttn tcttctctat      120
ngtnnnnnnn nnnnnnatga ntaccnngnt ngaatccggg gctgtantcg gcannngtc      180
ccccggctng nganaattat tatatnnata ttacgnatan nnatacatta naattgtttt      240
cntcttaaaa tttggggggg tttttttnat ntcgagnatn antntnaat nngcgatttc      300
tctatacnat tgtcnatnta ntanccttat atnangatct nctatgcatt anancatgta      360

```

ttntnnatgt	gtntgttann	attcttntgc	nttgntntat	naaatcncgt	tatttataag	420
natngtagna	tnnttttatn	aatacnang	cngtanttat	mntnctattn	agtntntaat	480
tagttcnaag	naanttatta	canatnaatn	ttnttatana	nggtagntag	ctgtgatgcn	540
atcgaaactnt	tatntnatat	gtatatntgc	aaaggactan	ataatngtat	gttatntnnn	600
cntncnangt	acgtgncnna	aggatcgat	gtnatnanct	gcnnctgana	natnnngann	660
ntattnangt	natngatntn	atcgctacgt	tnngcnaaa	tatcgttcct	attttntctna	720
ncnnanntat	gntagantat	gagnantata	ccntacgtaa	gganntatna	tatnttgtgn	780
tatcgtaant	naaacgtant	atancgtntg	ngatgtgcat	nantattana	mnttanngaa	840
tganntanga	ataggngnnn	tgagtgnagt	aatntncata	tttnggtata	nattgcncta	900
ngnacgtgtc	tgaagtntgt	ntatngctct	cattatttat	tctganecgt	antatttgtt	960
atgtantgat	tacctanntt	angtaatatn	tattnagnnc	tcttgcaagt	tatntgtnta	1020
gntatggnat	cnactnata	taanatanta	gttgnttatg	anatctaatt	gnangtacia	1080
nnaantcaan	gtnatattna	atnacgatga	gnancgtnan	attagnntat	mntactgtaa	1140
tttaggctat	atagtattnt	gnntancnaa	anannacna	tcttntncat	tcnncgatn	1200
mntctatctt	tngcangntc	aagcaatnna	tgntnancta	nanaggtagg	ntcatannta	1260
gtntatnnta	ttaattagcn	atnttcgtat	cngcacnana	tagntantat	antttanann	1320
atnttaggnt	ctgtattata	tnantcncct	ngagtntnn	cnnaagtata	gnnctacatc	1380
atgtncatcn	tantnttgga	nanatcncnc	gtntttgatg	actgnagtga	ntaanttaen	1440
agatngaata	tatnngngct	atctaaaact	acnacgttan	g		1481

<210> 2593

<211> 756

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(756)

<223> n = A,T,C or G

<400> 2593

ttnccttttt	cnaattccgt	tgctgtcggn	acactttgtg	atttccatta	aggccaactg	60
cattgactcc	acagcctcag	ccgaggccgt	gtttgcctcc	gaagtgaaaa	agatgcaaca	120
ggagaacatg	aagccgcagg	agcagttgac	ccttgagcca	tatgaaagag	accatgccgt	180
ggtcgtggga	gtgtacaggc	caccccccaa	ggtgaagaac	tgaagttcag	cgctgtcagg	240
attgcgagag	atgtgtgttg	atactgttgc	acgtgtgttt	ttctattaaa	agactcatcc	300
gtcaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	360
aaanncnnnn	nnnngggggn	tttttttttt	tttttccnna	aaaaaaaaaa	nnnttnnnngg	420
ggnnnnnnccc	ccccccctnt	tnntttnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	480
nnnnnnnnnt	tnnnnnnnnn	ttntnnnnnn	mntnnnnnnn	nnnnntnnnn	nnnnnnnnnn	540
nnnnnnnnnn	nnntnnnnnt	ntntnnntnn	nnntnnnnnn	mntttnnnt	nnnnnnnnnt	600
tnntttntnt	nnnnnnnnnn	nnntntnttt	tnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	660
nnnnnnnnnt	nnnnntnnnn	ntnnnnnnnn	nnnnnnntnn	nnntnnnnnt	nnnttnnnnn	720
tnntntntnt	nnntnnnnnn	nnnnnnnnnn	nnnttc			756

<210> 2594

<211> 684

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(684)

<223> n = A,T,C or G

<400> 2594

```

cccataactcn catntccagc tctatgctca gagaattacc agaaaataaa attacatgaa      60
gcttgaatat agggagatgg aaagatatta gacaaatatt aaagaaaatc tgggccaggt      120
gtgggtggctc acacctgcaa tcccagcact ttgggaggcc caagggtggga agattacttg      180
aggcaagggg tttgagacca gcccgggcaa catagtgaaa ctctgtctct ttaaaaaaga      240
aagaaaagaa aagaaagaaa gaaaagaaaa tctcagttag tgatggtcag aatagaattc      300
aacataacaa gctcattatt aaaatatttg atctcactgt gtacaattct gaagacactc      360
attcatgtac ttcattaaat atttctagtt tgctaaaaat agaattaccc ttcaaccag      420
caatcccatt actgggtatc taccaaaagg aaaaaaaaaa tcattctatg aaaagatgcc      480
tgcaacttga tggtcatcac agaactatct cagtagcaaa gacatggaat caaccangt      540
gcccatcaac aggggggactg gataaaaana aggggtggta caccggcccc ccttgggaat      600
actattgccg ccctttaaaa aaaccatgga aatcctgtnc ctttgaata acntngattc      660
cactnggagg gcatttttnc ttaa                                     684

```

<210> 2595

<211> 708

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(708)

<223> n = A,T,C or G

<400> 2595

```

taacctcgnt cgantccgtg ctgtcgnttt ccactattga cactgccccg ctgattcaag      60
cttttggcca tgaaagagta tgcttgtcac ccagacgaat taaattatat agcagcatca      120
ccaaccaaca gaggagatac cttgagaagc ggagcaaca cagcaagaaa gtgctgaata      180
cagggtcatcc cctagtgact tctgagcaca ccagaaggag acacatccag gtagcaaac      240
atgtgatttc ttctgactct atttcctctt ctgccagtag ttctctgagc tcaaactcta      300
ctttttgcaa caagcagaat gtacacatgt taaacaaggg catacaagca ggtaacttgg      360
agattgtgaa cggtgccaaa aaacacactc gagatgttgg gataactttc ccaactccaa      420
gttccagcga ggctaaattg gaagagaaca gtgatgtgac ttcttgggtc gaagaaaaac      480
gtgaagagaa aatgctcttt accggttatt ctgaggacag aaagttaaaa aagaacaaga      540
agaattccca tgaaggagtt tcctgtgttg ttctgtgga aaatgtggag tctagatcaa      600
agaaggaaaa cggtgcctaac acttgtggcc tgggcattctc tgggttgaac ccattaccaa      660
gaaccgaccc tggaggggagc cactgnggga gcaaaactgt cangggct                                     708

```

<210> 2596

<211> 694

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(694)

<223> n = A,T,C or G

<400> 2596

```

gngctgtcac actgaagttt tgttcnagac actttgggct tcgctgattg aaaacaccac      60
accaactgaa aaatcactgt gaaaaagaac ctggtagtac tgtcaatatc aagtaggatt      120
cattaatttt ctgacattac tggacaagat ggttcgtgcc attcagaaag ctctttttct      180
ttcttcttct ttctaatac agtgaggcat acaacgtagc ctgccttatg gtttaagtgg      240
gtgtatgact tgtaaaacttc cctcttgcta ttaaagatta tataatggga agttcattgg      300
ttttgaaagg cagaccaaac ccacccatgg gatttctatt ggcttttttag atgtattgca      360
tttctctgag taaacccatg tggctgagaa atagttagta gcttgttggc tgactgtggg      420
aaaacctatg aaggatcagt tgatctcatt tgggcaggag tcagaaatgg ctgagaatct      480

```

```

aaaactatat atatgaggat gggttttctct tgaatgttga atctttatct taacatgttt 540
ttgtgttttag cttctggagt tgcctaacag tataatttca aatgagggtt aatttcagct 600
gtttaatttt aaactgtang ggaacatgat taaaaaaaaa ttaagggtt tatcatttgc 660
cttaaaattt taatgggttg gtataaaaaa gant 694

```

```

<210> 2597
<211> 712
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(712)
<223> n = A,T,C or G

```

```

<400> 2597
tgacctcgnt cgantccgtg ctgtcggcct aagcataaaa ccaaaattat aaaactccta 60
gaagataaca caggagaaaa cctggatgac cttgggttg caatgacttt ttagatacaa 120
taccaaaaggc atgctccttg aaagaaataa ttaattgaga agccagaagg caaaatggta 180
cagccattttt ggaagacagt ttggccgttt ctcacaaaac taaatatact cttaccatac 240
catgcagcaa ttatactcct tgggttttac ccaagacttg aaaacttggt tctacacaaa 300
aatctgcacg agtgttttaa gcagctttat ttttatttat aattgccaaa gcttggaggc 360
aagtaagatg tccttttgta agtgaatggg taaactatgg ttcacccaga taatgagata 420
ctattcaatg ttaaaaaata ataagctatc aagccatggg gagagatgga ggaaactgac 480
atgcatacta ttaagtgaag gaagcccatc tgaaaacgct acgtactata tggttccaac 540
tgtatgacgt cctggaaaag gcaaaacttt ggaaacagta aaaagatcaa tggtttagcag 600
gatttgggca ggggaangga tgaataggca gatcacagat gatttttang agagtaaaaa 660
atgcacngna ttagaatgga tggatcatat tatccatttg tncaaacccn ct 712

```

```

<210> 2598
<211> 860
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(860)
<223> n = A,T,C or G

```

```

<400> 2598
cgncctcgnt cgattccgtt gctgtcngcg cctgccttcc ccatctgtct atctatctgg 60
ctggcaggga aggaagaac ttgcatgttg gtgaaggaag aagtggggtg gaagaagtgg 120
gggtgggacga cagtgaatc tagagtaaaa ccaagctggc ccaagggtgc ctgcaggctg 180
taatgcagtt taatcagagt gccatttttt tttttgttca aatgatttta attattggaa 240
tgcncaatth ttttaatttn caaataaaaa gttaaaaanc ttaaaaaaaa aaaaaaaaaa 300
aaccnccngn gncctttttt tcttaaaanc cnancctnaa aaanccttt nnnnatttng 360
nccncccccc cnntaaant cnnnccnttc ttactntnt tncnattttt ctttttantn 420
tnnnntctnc cntcatttcc tnttnntttt ttttnnann tntntnctcn anttctntac 480
tntnnnatte actnctctac ttncntttct actnttttnn nnantcttn cntnnntnta 540
tctnctctnn tcactntnt nnnnttnncc tectnccntn cnntnnnctc ncttncncnc 600
nccnncatte nttnnnnnntn nntattntnn nnnccnncan ctntnccncc ntncnatntn 660
ctnnnnntmc ntctnnnctc nttnntatc tnnnnnctt cttnnanntn cntcnntnt 720
cnntcnntct nancctttnn nnnnttatn anntctcnnt ancactntn tnttncatnn 780
ncttntntt nnttntntn atntnctcn tanctntnt tancnctact ctcantntnt 840
nttnccttnn nnnnttncc 860

```

<210> 2599
 <211> 939
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(939)
 <223> n = A,T,C or G

<400> 2599

cnacnacnnn	nnannnnnnn	nnangngnna	nannganaan	naggnantan	nnnngannnn	60
nanaanannn	nnnangggga	gancangnan	ngannntaan	nccacnnnnn	nnnnngaggc	120
gaannnnnaa	agtannnnnn	nannannnag	nannnnnnnn	nnnnnnnnnn	nnnnntaana	180
cccttgngaa	aaacccgggg	gctgtnaaaa	cnncgcnag	gncccgctgn	ngcnggaana	240
gtagaatcaa	gaaccgagga	ttttacatgg	gactggggag	acgagcaaaa	ggaggcttac	300
cgaatccgga	gatcccgagg	aggaggaaga	ggaagaggag	gaataannng	naagaactgt	360
cacaggtang	gaaacatctc	agnaaaagca	gggattgagc	ttcatgaaat	nctaagggca	420
tatnaaggag	caangacttg	aaaccnngta	aganaanggg	ggtggaataa	nctctgatac	480
ntccatngnc	antggagagn	naaaggngag	agccacggaa	agcacgagac	agntcngngt	540
aaggggnctt	ttncagttgn	ggaancaggg	agcaaanggc	atcnagaggg	nccngcaaca	600
caaancaata	tgcttannag	agggatnaat	naanaacnnn	ggagctaggc	atgngaggcn	660
tcgagcctgg	naaactacaa	cactntggga	aggccaaggn	aggcggagaa	taccaaccn	720
gaaacaaacg	gtagagaaaa	ccccatctcn	actaaaaaan	caaaaaatga	gncngggcgt	780
nggnggcaca	ancccggnan	ncccanatnc	ncanaaagct	nnagggcgag	aagaaanncn	840
tcgaaaccag	aacaagcaga	angtaggagg	ncganatnaa	aatagagcca	gatngnggan	900
ccaacangng	nnaaaaagaa	caaaaacatc	naccnaaag			939

<210> 2600
 <211> 711
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(711)
 <223> n = A,T,C or G

<400> 2600

gncacgatcg	aatccggtgc	tgctcggggtg	agagagatgg	tggtctggac	acttcccctt	60
ggtgccatca	tccttgcctc	tcctttcctt	cctctcccct	tcccatgaat	gtggggcttg	120
atttgtttta	ccccttaagt	gggctgaaga	tgtaaaagctt	aacctcttcc	aaactagatg	180
ctttgagggt	ccagctgtca	ctgagaacag	cttggtagct	ggtgcagcgt	accagcgtgc	240
agaggcagca	ttgttcagct	ggagcctcac	tgctggagcc	tcattctacca	gagggtcctt	300
tccatactgc	ctccatgctt	cgctgtagaa	tcaggaggcg	accacagcag	cagaacactg	360
ccaccctagg	atccagagct	attgcacaaa	attcacacac	aggtgtggct	gtgacgtgtg	420
gccataagca	tcttcttcct	ttatggcaca	gtttctgagt	gtagcagagc	ttgatggggg	480
tgagcccaac	acccacactt	ctcctcactg	ccttctctcc	ttctcagcac	ctcgtaactg	540
aggctggctg	aaggaaagga	agcaccagag	atgattcccc	aggtgttttt	aggtcaggag	600
gcactggcat	gaggcangct	ctgcagttgg	gtatgacctg	ccctgcttta	cctgggacca	660
gaaattnctg	ggaanggggc	tctcaacgct	gaaatggtga	tgtnggggna	a	711

<210> 2601
 <211> 710
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(710)
 <223> n = A,T,C or G

<400> 2601

nacacgntcg antccgtgct gtcgctgggc tagaacctca ntctagtgtt caaaggagct	60
ggcagaatgg gttgtctcgg catggaggac ccaaaagcag agctccctgg tgcttttggg	120
gagagtgaag cccttcattc cactcctcat tgcagaccag ctttcctggt attcatgcac	180
tgctttttgt aacgcctcaa atgaaggcca cagctcagcc aagtagaaga gagctcctaa	240
taaatgaagt ctgggtgcct ttgaatttat aaaataatca aagttgctat ttcctgctaa	300
ggagacagat acagaacagg tgataggcca cagtcattac tgcctcctgc ttgttccttg	360
agccctcggc cttctacett ttctaactgc tgtcagaacc ctgggttggg acttcctttt	420
gcctggttct cctgggcttg aatggcaacc tatattgaca gatttcatgc cacagttctt	480
tttcaaacaa gatgattcac aatggaataa ttgggtttgg gaagaagcct ttttaagca	540
aactatggaa aataattgat gagtagcgca gttttataaa actttttttt ctattaccct	600
tttaaaaact atgttgctaa ctgcacatca cactgcattc atatnctggg gactaatacc	660
ccttgacctt gccatttgaa ttaangngga aaaaagggtca taagtnacat	710

<210> 2602
 <211> 715
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(715)
 <223> n = A,T,C or G

<400> 2602

naccncgatc gantccgntg ctgtcggaga gtggaggcca gagaagacca aagctgagga	60
atgcgacctc aggatttcct tctttctggg gatagttctc tttaggagga agaggagtta	120
gccccctcact tgcttatccc tctcctatgc tctggagtgc ctctccacc ttgccccac	180
cccacattgc cccctcctgc tcggtcagtg cctggccagc tcaggcagct tgcgtcacag	240
taaggtaaag ccagaatgag ttttagtgtc gagtgagatt ggaaaagcca ttcctctgac	300
cctccccacc tgctcccgtc tctccaggca tctacctgc aagaggacac tgtgaggcgc	360
aaaaaatgtc ccttcacag ctggccagaa gcctgtgagt gctgttgaca cgcacccttg	420
tgcacacaca tcccccttct ctttctgtct cctacacaca catgtacaca cacacacaca	480
cacacccgc acttcacaca tgtgctgggg gaagtcacca gaagcatgca ggtactttcc	540
ctggagtcag tggggggaaa agggctgcca agtctaccag tccgcttgcc aatagatcaa	600
agatcgcttg agcaccgcga gtacttgtga aaaagtttan aaatatgagg cctangagaa	660
ggtgtcctaa gaagatggcc aanaagaccc attnccatac anctnttgte nattg	715

<210> 2603
 <211> 707
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(707)
 <223> n = A,T,C or G

<400> 2603

naccncgatc gaatccgtgc tgcgcccgc ctccatagcc ttctttccgg gcctgtttta	60
agagcatttt cagaatacac acagaaacag gcaacatttg gacacatctc ttaggttggtg	120

```

tattcttctt gtgcctgggg atcttttata tgtttcgccc aaatatctcc tttgtggccc 180
ctctgcaaga gaaggtgggc tttggattat ttttcttagg agccattctc tgcctttctt 240
tttcatggct cttccacaca gtctactgcc actcagaggg ggtctctcgg ctcttctcta 300
aactggatta ctctgggtatt gctcttctga ttatgggaag ttttgttctt tggctttatt 360
attctttcta ctgtaatcca caaccttgct tcatctactt gattgtcatc tgtgtgctgg 420
gcattgcagc cattatagtc tcccagtggt acatgtttgc caccctcag tatcggggag 480
taagagcagg agtgtttttg ggcctaggcc tgagtggaa ctttctacc ttgcactatg 540
tcatctcgga ggggttctt aaggccgcca ccatagggca agataggctg gttgatgctg 600
atggccaacc tctacatcac angagctgcc ctgtatgctg ccccgatcc ccgaaccttt 660
ttncctggca aatgtgacat ctnggttcac tctcatcaac tggttcn 707

```

<210> 2604

<211> 704

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(704)

<223> n = A,T,C or G

<400> 2604

```

tgcttgcaat taaattcncc gtctcagttc aagagtgaat atagcaactt atgtgaacct 60
gagcagtttg tgggttgat gagcaatgtg aagagactac ggccacggct cagtgcattt 120
ctctttaagc ttcagtttga agagcaggtg aacaacatca aacctgacat catggctgtc 180
agtactgcct gcgaagagat aaagaagagc aaaagcttta gcaagttgct ggaacttgta 240
ttgctaattg gaaactacat gaatgctggc tcccggatg ctcaaacctt cggatttaac 300
cttagctctc tctgtaaaact aaaggacaca aaatcagcag atcagaaaac aacgctactt 360
catttcttgg taagaaatat gtgaagagaa gtaccctgat atactgaatt ttgtggatga 420
tttggaacct ttagacaaag ctagtnaagc tntgtanaaa cgctggaaaa gaatttgagg 480
canatgggaa ggcagcttca acagcttgag aangaattgg aaaccttttc cccctcttga 540
ggacttttga ttgacaagtt ttnggacnaa agatgnccaa gatttggtat cnagttgcaa 600
aaagnacaaa tatgagacac ttttcgaagt ttacacgaaa acnntgggaa aagttattcc 660
cgaantttaa taggnatact tttgcccatt gatttgaaaa aagg 704

```

<210> 2605

<211> 743

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(743)

<223> n = A,T,C or G

<400> 2605

```

nnagatcagc tcttgttctt ttgacaggat cccatcgatt cgggatccctc caggctgccg 60
gctgggaagg cgtgggcgac ccggtgtgtg gcgcgcccag agcccccggt ttcagcccta 120
gggaagggaag ccagttgagg gaagttctcc atgaatgtac gtcacaaatga tgatgaccga 180
ccaaattctt ctggaactgc caccattgct gaacggagag gtagccatga tgccccactt 240
ggtgaatgga gatgcagctc agcagggtat tctcgttcaa gttaatccag gtgagacttt 300
cacaataaga gcagaggatg gaacacttca gtgcattcaa gatgaagtgg tgaagagagc 360
ctgcgattga agattttttc atctcagctt tttccccctt acctgttct ctctcatggt 420
tcatgatctg tgtcatagat atttcttcat tacgagcact tcgcggtgtg gcttttcaat 480
gtctgaagtg gattaagtgg cccacagtca gttctgtgac ttgagtttca aaagtnaaat 540
taccatcaac aatgtgattc aattttattt tctatactag ctaaaagcaa ggaactatat 600

```

tattaacaat cttggcttta ctgtagtta aggcagggtga tgatgatgct tattagtcca 660
 cctgaaagag tccttccang tttttggaac cttattcctg cttattacct tggccttgaa 720
 aagtccttca tggaaagtgg aat 743

<210> 2606
 <211> 675
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(675)
 <223> n = A,T,C or G

<400> 2606
 attcanatac anctacttgt tctttttgca ggatccctcg attcgggac ctcagggtg 60
 ccggctggga aggcgtgggc gaccgggtgt gtggcgcgcc cagagccccg cgtttcagcc 120
 ctagggaagg aagccagttg agggaagtgc tccatgaatg tacgtcacaa tgatgatgac 180
 cgaccaaatt cctctggaac tggcaccatt gctgaacgga gaggtagcca tgatgcccc 240
 cttggtgaat ggagatgcag ctcagcaggt tattctcgtt caagttaatc caggtgagac 300
 tttcacaata agagcagagg atggaacact tcantgcatt caagatgaag tgggtgaagag 360
 agcctgcgat tgaagatttt ttcatctcag ctttttcccc cttaccttgt tctctctcat 420
 gtttcatgat ctgtgtcata gatatttctt cattacgagc acttcgcggt gtggcttttc 480
 aatgtctgaa gtggattaag tggcccacag tccagttctg tgacttgagt ttcaaaaagt 540
 aaaattacca tcaaccaatg tgattcaatt ttatttttct atactagcta aaagcaaggg 600
 aactatatta ttaacaatct tggctttact gtatttaagg caggtgatga tgatgcttan 660
 taatccccct gaaaa 743

<210> 2607
 <211> 756
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(756)
 <223> n = A,T,C or G

<400> 2607
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 aatgtacgtc acaatgatga tgaccgacca aattcctctg gaactgccac cattgtctgaa 180
 cggagaggta gccatgatgc cccacttggg gaatggagat gcagctcagc aggttattct 240
 cgttcaagtt aatccagggt agactttcac aataagagca gaggatggaa cacttcagtg 300
 cattcaagat gaagtgggtga agagagcctg cgattgaaga ttttttcac tcagcttttt 360
 ccccttacc ttgttctctc tcattgtttca tgatctgngn catagatatt tcttcattac 420
 gagcacttcg cgggtgtggct tttcaatgtc tgaagtggat taagtggccc acagtcagtt 480
 ctgtgacttg agtttcaaaa gtaaaattac catcaacaat gtgattcaat tttattttct 540
 atactagcta aaaagcangg gaactatatt nttaacaatc ttggctttac tgnangttta 600
 aaggcagggt atgatgatgc ttattaantc ccacctgga aagaagttcc cttcnnggtt 660
 ttttggaaagc ttttatttcc tgctttaatt aacctttgcc cccttggaag aagtcctttc 720
 attgggaaaa gnggggaaac anctgnggtt tgacnc 756

<210> 2608
 <211> 732
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(732)

<223> n = A,T,C or G

<400> 2608

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tgtcaatgag ttacactgcc ctgtgtgttt ccacgtcaac tgctgtctct gcaaggccat      180
ccatgagcag atgaactgca aggagtatca ggaggacctg gccctgcggg ctcagaacga      240
tgtggctgcc cggcagacga cagagatgct gaaggatgat ctgcancagg gcgaggccat      300
gcgctgcccc cagtgccaga tcgtggtaca gaagaaggac ggctgcgact ggatccgctg      360
cacctgtcgc cacaccgaga tctgtgggtt caccaaggac ccacgtcggg gccctggggg      420
cccatgagac accagcgggg gctgcgctg cagggtaaat gggattcctt gccaccaag      480
ctgtcagaac tgccacttga gctaaagatg ttggggccac atgctgaccc agccccacat      540
ccacattctg ttagaatgta gctcaaggag cttcgtggac ggcttgctt gcttctaanc      600
gtttgtaagg gccctgcctg cactgcggtt gtcacggtca catctgcccc aatgcctttg      660
tccttccttg gggcttgccg gcagactttn tatccctgcg nttccaacct ntgctgaccc      720
cagcttaaac at                                     732

```

<210> 2609

<211> 793

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(793)

<223> n = A,T,C or G

<400> 2609

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cttctttgag gatgatgtca atgagttcac ctgccctgtg tgtttccacg tcaactgcct      120
gctctgcaag gccatccatg agcagatgaa ctgcaaggag tatcaggagg acctggccct      180
gcgggctcag aacgatgtgg ctgcccggca gacgacagag atgctgaagg tgatgctgca      240
gcagggcgag gccatgcgct gccccagtg ccagatcgtg gtacanaaga aggacggctg      300
cgactggatc cgctgcaccg tctgccacac cgagatcttg ttgggtcacc aaggcccacg      360
ctggggccct gggggcccan gagacaccaa cgggggcttg ccgctgcagg gtaaatggga      420
ttccttgcca cccaactgtc aaaactgcca ctgagctaaa gatggtgggg ccacattgct      480
gacccaaccc cacatccaca ttntgttana atgtagctta agggagcttc gtggacggcc      540
ttgcttgctg taacgttgta aggggccctg ccttgactg nggttgcca cggtcacatt      600
ttgcccgaat gcctttgtcc ttccnttg ggcttgccgg ncaaaaacttt ttttncctt      660
gggnttccc accttttgnc ttgancccca ancctttaa aaataanccc cctgggccaa      720
aaggcctttt cnttgggtng ggaanccctn ttggggggaa ctccattaan ttctttccca      780
ancanaaaaa aaa                                     793

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<210> 2610

<211> 767

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(767)

<223> n = A,T,C or G

<400> 2610

gnnnntnnn tttatanata caagctactt gttctttttg caggatccca tgcattcgaa	60
ttccgttgct gtcggcgggg aggacgtacc ttgtgagatg cgagccggcc aacagcttgc	120
aagcatgtct cgctggaccc gagcctggag gctcccgcgt gagggaactcg gccccacgg	180
ccctagcttc gcgaggggtgc ctgtcgcacc cagcagcagc agcggcggcc gagggggcgc	240
cgagccgagg ccgcttccgc tttcctacag gcttctggac ggggaggcag ccctcccggc	300
cgtcgtcttt ttgcacgggc tcttcggcag caaaactaac ttcaactcca tgcccaagat	360
cttggcccag cagacaggcc gttaggtgct gacggtggat gctcgttaacc acggtgacag	420
ccccacagc ccagacatga gctacgagat catgagccag gacctgcagg accttctgcc	480
ccanctgggc ctggtgccct gcgtcgtcgt tggccacagc atgggaggaa agacagccat	540
gctgctggca ctacagaggc cagagctggt ggaacgtctc attgctgtag atatcagccc	600
antggaaagc acaggtgtct ccactttgc aacctacgtg gcaaccattg aaggccatca	660
acatcgcaag attaaacttg ccgnttccg tgcccaaaa actggccgga tgaaacaagn	720
ttaatttctg tcattncaag gaacatgggc cnttcggna ncacctn	767

<210> 2611

<211> 949

<212> DNA

<213> Homo sapiens

<400> 2611

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gaaactggga actaacatgt acagcgtgaa tcagcctgtg gaaactcatg tgtctggatc	120
atcaaagaac ttagcctcat ggaccagga aagcattgct ccaaaccctc ttgctaaaga	180
agagctgaat ttcttgccca ggctgatggg agggatggag attaagaaac ccagtggccc	240
tgagcccgga ttccggttga atctctttac caccgatgaa gaagaggaaac aagcagcgt	300
aaccaggcca gaagagttat cctatgaagt tatcaacata caagccaccc aggaccagca	360
acggagcgag gagctggctc gaatcatggg ggagtttgag atcacggagc agccaaggyt	420
gagcaccagc aaaggggacg atttgctcgc catgatggat gagttatagc tgttctgacc	480
aggcgtcttc tgccccagg gagaggctgc tggatgggta cccctgggga atgccccatg	540
gccagaatg atgctgctag ttttctactg agtgaagcca ttacgtctat ttcttattta	600
tggtgtaagg aactgtgtga gtctcccttg aggagcactc actcttgaag gcacacacat	660
acacatattt tcagtgaat atattctgac ttttaaactt gacctttccc attttattct	720
taattctgag gcaggagaat cgcttgaacc caggagggtg aggttgcagt gagccaagat	780
catgccattg cactccagcc tgggcaacaa gagcgaaact ctgtctcaat taaaaaaaaa	840
aaaaagaata taaatcacca aataaatgtt aattgctccc taccattaa agttacactt	900
ccttacctat aaagacaacc tccccctcca catactcacg gaaaagtct	949

<210> 2612

<211> 293

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(293)

<223> n = A,T,C or G

<400> 2612

aattccgttg ctgtcgtgc tatcgaactc atcatcctta tggaggtctt caggggcccc	60
agagacactg cagagagtgt cagggatttc cttccccaca acagaattgc tgagggtctg	120
ggaagcatgg agggagggaag cagaattgcg ggaccactgg cgcantgnnn ggatcangag	180
ctatacttct tcnngaactg atcnntgntn cctgcatntt ntgcacnagg nnnnaggatn	240
ancttntaat anannctgnt gtnnttctn agnnantnnn gtnngttcta agg	293

<210> 2613
 <211> 534
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(534)
 <223> n = A,T,C or G

<400> 2613
 aattcgttgc tgtcgggaagt tattgctttc caggggtcac tctggcttcg actcgcgtgc 60
 tctcaattcg tcaccrggag gaagacggag ctggctgccc agcccaaagg cccatgaggg 120
 gatgcagtta tgggctctgt cgccgtggat tggtattttg tgtcagtaag taatccataw 180
 wgtgccaaaca tgggaaagaa acggwcaawg ggaaaaactg ttccaatcga wgattcctyt 240
 gaarctttar aacctktgtg yakacacatt agaaaaggat tggacaagag taatttgaaa 300
 aaggcttttag tgaatgtgga atggaatata tgccaagact gtaagactga caataaagt 360
 aaagataaag ctgaagaaga aacagaagaa aagccttcag tttggctgtg tcttaaattg 420
 ggccatcagg gctgtggcag aaattctcag gagcagcatg ncttgaagca ctatctgacg 480
 ccaagatctg aacctcactg tctggttctt agtttgagca actggagtgt atgg 534

<210> 2614
 <211> 454
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(454)
 <223> n = A,T,C or G

<400> 2614
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 acctcacgcc ctccatctac acagagtttc cagatgaaac cttgaggagc ggagagctgc 120
 tgaacatgat cgtggctgtt attgactctg cacagctcca ggagctggtc tgccacgtga 180
 tgatgggtaa cctggttatg tttcgaaaag actcagttct caacatactc attcagagcc 240
 tagactggga gaccttttag cagtattgtg cctggcagct ctttctggcc cacaatatc 300
 ccctggagac cataatcccc atcctgcagc acctcaaatt acaaggagca cccagaggcc 360
 ctgttccttg cctactggct tñcaacttcc ggaaggagga aaaagnccca ggcgagggga 420
 gatgggtgga aggtgngtag ctgaaggccg ggcc 454

<210> 2615
 <211> 592
 <212> DNA
 <213> Homo sapiens

<400> 2615
 attttttagtt tttcgagtac accgtcccag aaagaaatac gctataacac ccaccagcct 60
 gagggctgca ttgctgtgga agcaggaatg gataccctta tcatgcatct ctgcgaagaw 120
 wctgatmcy wgmswrtcak wmkkyatct tgywgkagga tggatcttta tttcacgaac 180
 agtccaagaa atgtgtccag gctgcgagga aggagtgcag tgacagtctt gttccactct 240
 tacgagactg caccaactcg gatcatcaga aatggttctt caaagagcgc atgttatgaa 300
 gcctcgtgta tcaaggagcc catcgaagga gactgtggag ccaggactct gcccaacaaa 360
 gacttagcta agcagtgacc agaaccacc aaaaactagg ctgcattgct ttgaagaggc 420
 aatcattttg ccattttgtga aagttgtgtt ggatttagta aaaatgtgaa taagctttgt 480
 acttattttg agaacttttt aaatgttcca aaatacccta ttttcaaagg gtaatcgtaa 540

gatgttaacc ctgtgtatatt agaaaattaa aaccttataa tattttttcta tc 592

<210> 2616
<211> 682
<212> DNA
<213> Homo sapiens

<400> 2616

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taagtgtggc	ttctagagtg	tttgtgtgta	ccccgcttct	gactgcctag	ggcgagtggg	120
catcctgtca	tcattctccac	tgtcccaagc	agtcactagg	tggcgggccg	gccagctgga	180
accagccca	tcctctcagg	cagagcaggg	tggccggggc	acactggggc	tgcctctcca	240
gcctcaggat	gctcttgttt	attctgggct	cagaccctcc	tctgtacgt	ctcatcacag	300
ctggtagaga	cccaggagtg	cctgattkct	ccacaggggt	ggcgcacagc	tctgggacca	360
ctcagaagat	gggatgtgtg	gggtggaggat	gccttgtctc	ggtcagctca	ttcctgcctc	420
cttcctgagc	cagttcaggg	cctggggggag	agccagcttg	gggtaggaag	ttaataatac	480
tgtaattttg	gggtgtgtgt	ggatttactt	tgctagattt	tctctttcac	cacgtgtgaa	540
ctgtgggtga	ggtttcaaag	tagcttcacc	ccacgtggct	tggttcccag	ggacagtcag	600
gcctcggggg	cccagctatg	tacaacgaag	ctgtcgaagg	agaagacaat	aaagtcgtcc	660
gcagctgctc	tgtgtgtttc	tc				682

<210> 2617
<211> 581
<212> DNA
<213> Homo sapiens

<400> 2617

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ttgaagagaa	aaaatacctt	gctggggcag	acccttctac	tgtggaaatg	tgttaccctc	120
ctatcattca	gagtgggtggc	aactataatc	tcaagttcag	tgtgggtgag	gacaagaatc	180
atatgcactt	tggggctats	acttgtgcca	tgggtattcg	cttcaagtct	tactgtctca	240
accttgytcg	cactttgatg	gttgatcctt	ctcaagaagt	tcaagaawat	tataactttt	300
tgctccagct	tcaagaggag	ctgctgaagg	aattaagaca	tgggtgtgaag	atatgtgacg	360
tgtataacgc	tgtcatggac	gtgggttaaaa	agcagaagcc	agaactgctg	aacaaaatta	420
ccaaaaacct	aggggtttggg	atgggaattg	aattcccgtg	aaggctccct	agtaatcaat	480
agcaaaaatc	aatacaaaact	tgaagaaagg	aatggttttc	agcatcaatt	taggattctc	540
cagacctgac	taacaaggag	gggaaaaaagc	cagaagagaa	a		581

<210> 2618
<211> 594
<212> DNA
<213> Homo sapiens

<400> 2618

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gacagcctca	actcggccat	ggcggaagc	atcctgcttt	tcgaaggga	aagacagctg	120
cggsggaggt	ctgggaastt	gagcagggac	aggagttacc	actgaggacg	cagaagtgc	180
ttctgcttga	ggacgtctgc	agctcctcct	acaccagcac	actggtggga	ggctggcgga	240
gtcagtgcct	atggccccca	cgttcaggag	gaaggtgtga	tgcctgcata	cagttacagg	300
aaaaataaga	acttctcag	aaagaacagg	tccgaattct	tcctgtcgcg	tactgtattt	360
tgaggttctt	ttttctcttg	gtgacaatag	gtgaccacag	tggctctgtg	tgtttttaa	420
aattgtccac	caagaagcac	tttgtscyca	gaaagttcct	gaagcatcat	cctggcaggg	480
aggcgctgc	tccaccagct	gggtgggtgt	tgtaatcgcc	aagcaccagc	tataggtcac	540
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<210> 2619

<211> 859
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(859)
 <223> n = A,T,C or G

<400> 2619
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 gaaaggttgg aatgttaaataat ggaggccgcc gaattgacta cgttctccaa gaaaaaccaa 120
 tagagagttt taatgaatac cttttcgctc ttcagagtc cttatgctat tgggaatctg 180
 aagatactgc tctgttacta cttaaagaaa tttatcgaac aatgaacatt agtccagaac 240
 agccccagca ttgatcaaac ttcagtttta ctgtactttc ttgtctgcac agaaagtccc 300
 agtacaactt ccattgctga gaaaatcctc agaggacttt ccacttcgc tcctgtgatg 360
 gatgacagaa gagtgattca ttaacaattg ctcagccaca attctcggat atagggattc 420
 aaaagacagg ayacagaact aacacagtga aaaaaatcag taccacattt ggacagtata 480
 ggtgagaaaa cataattata aaaatgatgc catgaaaaat tccacagatc agtttagttg 540
 tatagtgtgc aaagttatat gtgatatcaa tgaagaaata tttgtagcat gtaaacggtt 600
 atttctgttt cttaaaaagt attgttartg ggctattaaa cttggatttt tctttttatt 660
 aatgcagtat gtncttttta tycaagtatg acttgttgag aactatagta atatgatttt 720
 taagagattt atgttcnctt aaaatgtgaa ttgtacttct gagctgctta atcaggycat 780
 ttatatttgt taagaggaat accagatcac tcatatccca ctgaatctga ggtttataat 840
 ccnccaacg atgctggng 859

<210> 2620
 <211> 988
 <212> DNA
 <213> Homo sapiens

<400> 2620
 aggcgcggtg cccagagtg ggggtgcctgc actctcagct tccacacctt caccctaccc 60
 ctacatcgga ccccccaag yatgtmgs swsgssrgaagc cacagtcgcc gccgccaggg 120
 scgtgtcctt ggctctgtcc tttgttccc tccgtcctcg ctcagttgtg atccagcagc 180
 cccctcccc actgcctccc cagctctcag tgaccccgac tgtctcctga cttagccgag 240
 gtaaggtcag yscmgcagac agggccagay tgrggwgtgs sgskcykwsc yrgrcacats 300
 msysasgscy ctggcttact gggaaacagc gattgacctg tgcttctgac agcccccgag 360
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 gaggaagggg cagctgcttg ggttctaata cttctgtctt cttctctttt cccctccaac 480
 cagttcaatc tcatccctcc cagcagctcc ccttccacct cccggggaac tgaagattgt 540
 cctggccgag acctgagacc tccatgagtg gaggaagag tgatctatgt ctcttcccc 600
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 ctgccaagca ccttgaatgg gaggggcctc acagagggca gggccagggg ccagcagggg 720
 tgggggggtt ctgctctgcc cctgcccgtc cccacccagt cttgccctcc catcctctca 780
 tctattcccc cgctggagac ggaagatctt ttattttcta ttatttataa cttcagactt 840
 gggccccctt ttctttcttt cccattaact tgagtgcctt gtgtgagaga cagacagatg 900
 cccacgagg atggctggac aaggactttt actttttatt acataaaaat attaaaaaat 960
 aaataaaaaa aataaaattt taaactaa 988

<210> 2621
 <211> 854
 <212> DNA
 <213> Homo sapiens

<400> 2621

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gccccaaagga gtgctagctg aggggtggtt ctgggggtggt cctcatggac agtgaggtgt      60
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gcatcctttga gcctgccttc cgggtgggagc agaaaaggcc agaccctgct gagttaarag      180
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gtgccatggt tgcgttgagc cttgcagctc ttccagctgg ggactgggtc ttgctgaaac      300
ccaggagctg aacagtgagg aggctgtcca ccttgcttgg ctactggga ccaggaaaac      360
ctgtcctttg ttaggctcgt gtacttctgc agggaaaaaa aaaaggatgt gtcattggtc      420
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tatttgaccc ccttggtctga attcctttgc agaactactg tgtgtctgtt cactaccttt      540
tcaggtttat tgtttttatt tttgcatgaa ttaagacgtt ttaatttctt tgcagacaag      600
gtctagatgc ggagtcagag atgggactga atggggaggg atcctttgtg ttctcatggt      660
tggctctgac tttcagctgt gttgggacca ctggctgac acatcacctc tctgcctcag      720
tttccccatc tgtaaaatgg gagaataata cttgcctacc tacctcacag ggggtgtgtg      780
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ctaaatgtga aaaa

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<210> 2622
<211> 637
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (637)
<223> n = A,T,C or G

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<400> 2622
ctacggtttc ccgtcaccaa ttttccttgg aattggacag atggcagcca ccataatgat      60
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tgtaaagctg tttcctctgc ctctcctcta cgttggaac cacataagtg gattatcaag      180
cacaagtaaa ttaagcctac cgatgttcac cgtgctcagg aaattcacca ttccacttac      240
cttacttctg gaaacccatca tacttgggtg awkywgkwtt ymctcaacat ymtyctcagt      300
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gaaggctata tttttgtatt cctgaatgat atcttcacag cagcaaatgg gagtttatac      420
caaacagaaa atgggaccca aaggaggcta ggggaaatac gggagtaact tttttctwac      480
aatggcctgg ctttcatgga ttattcccca acttctttat ttatttaggt ggttcttccc      540
actggtaggg acctggccaa ccagggtcta cngggaattt ccaacccatg ggggtgggat      600
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<210> 2623
<211> 300
<212> DNA
<213> Homo sapiens

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<400> 2623
gctgcatctg caatgaggat gccaccctac gctgctgctg ctgcatggg gacctcttct      60
gtgcccgctg cttccggtgg gtgcagggtg aatgttctgt gcgagagctc aagggtctgc      120
tggatccctg acttgatcc ctttgttcca cagagagggc catgatgect ttgagcttaa      180
agagcaccag acatctgcct actctcctcc acgtgcaggc caagagcact gaagacaccc      240
tggtcctccc ggaagggcag tcccacaggc agcggcaccc atttctgggc cccgccacag      300

```

```

<210> 2624
<211> 923
<212> DNA
<213> Homo sapiens

```

<400> 2624

gaaagaactc	cctggctgta	gctcctatgt	aggttwaggt	tgagacyctg	gattccacca	60
atthtttaaag	gttaccatct	gaggtttckr	atcatagtct	acttttgaag	cagctgctgc	120
trtttcttta	ttccattgaa	caccctggaa	ttgacataat	tttatctatc	agcatttctc	180
ccctttttagt	ttatttaata	attaacccgg	tctccagggc	agttttcata	tgaccatgtg	240
tatattcact	gctcacgaaw	aagtttaatg	ttagattacc	aaatttaata	tagttacaga	300
attactgcat	aagggtctcc	cttcttgag	actcttacc	agcatgggaa	cagtgatctg	360
cccacatgac	agggtggtat	gccaggcata	gttaactgct	tttggtgtg	aggtaactcat	420
cttccttttag	ttacccttag	ttatgtggca	cacatgtcct	tattgcctag	ttcgtcatcc	480
acacttttga	tcttgtgaaa	atgctgttag	tatccaacct	taaaatata	tagtatatgg	540
gtttttatta	aaagaattac	tttgaatttt	ctatttaatt	catatgtaa	taaaggaaca	600
ttttcattca	cttaaaaaaa	ttatatcagt	tattaggctg	ggtgcagtgg	ctcatgctg	660
taatccagc	actttgggag	gccaaaggcg	gtggattacc	agagttcggg	agtttgagac	720
cagcttgacc	aacatggaga	aaccccgctc	ctactaaaaa	tacaaaatta	gccagggtgtg	780
gtggcgcatg	cctgtaatcc	tggctactca	ggaggctgag	gcaggagaat	cgcttgaaaa	840
cccaggagac	agaggttgcg	gtgagctgag	attgcgccat	tgtactccag	cctgggcaag	900
aagagcgaaa	ctctgtctcc	aaa				923

<210> 2625

<211> 1125

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1125)

<223> n = A,T,C or G

<400> 2625

aattccggtg	ctgtcgcaga	caccttctcc	tatggtgggc	atgaagactt	ttcaaaaatg	60
attgatgaag	ctgagccctt	gggtaccaca	gtcgtggtga	agagcacacg	aggccaccgg	120
ggaaaagctg	tttttctggc	aagagataaa	catcacctct	ctgacatctg	ccatctgatc	180
cgccacgatg	tgccctacct	gttccagaag	tacgtgaagg	agtcccatgg	aaaggacatc	240
cgggtggtgg	tggtaggggg	ccaggtcata	ggctctatgc	ttcgctgctc	cactgatgga	300
cggatgcaga	naacatgctc	gtctcggtgg	cgtgggcgtc	aagtgtccgc	tgacagaaca	360
aggcaagcag	ttggctatcc	aggtgtccaa	catcctaggc	atggacttct	gtggcattga	420
tctccttctc	atggacgatg	gtcctttgt	ggtgtgtgag	gcaaagtcta	atgttggtct	480
cctagccttt	gaccaggcat	gcaacttaga	tgtgggtggg	atcattgcag	actataccat	540
gtccttgctg	ccaaataggc	agactggaaa	gatggctgtc	ctcccaggac	tgtcaggtcc	600
aaggggagaag	aacgagccgg	atggctgtgc	ttcagctcag	ggagttgcag	agagcgtcta	660
taccatcaac	agtgggtcta	cctctagcga	aagtgagcct	gaactgggag	agatccggga	720
ttcctcagca	agcacaatgg	gggccccacc	ctccatgctg	cccgaacctg	gctacaacat	780
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aaaccaaatc	ctactgcttc	cctagtagtt	ttgagtgaat	aaaatctgga	ctaattgtgat	900
ttcatttgca	cagaaactag	aaatcccatc	tgggcaactca	gcatttttyc	taacgatgat	960
ttaagcaaat	ggcctagctt	tgtggttttt	acaaagacaa	atataaaaac	actcacaagn	1020
acaacgtccc	gactgancaa	tatgagactg	atgtctgctg	tgagcacgtg	gatattacgg	1080
ctgacgctaa	ggcactgnct	ctgctggtgc	ttctgacttt	tagca		1125

<210> 2626

<211> 620

<212> DNA

<213> Homo sapiens

<400> 2626

aattccggtg	ctgtcgtgga	ggcttactaa	ccaggtaagc	cttctatgca	tccacaccaa	60
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aatcctgcag aatgtaagta agctctgctt tataagatgg gttcaccttc atcgagact 120
gaaagtttca gtttttatatt ttttcagaaa gcacgaaaaa ttatttataa tagtctggag 180
aaaaaaacac actgtaatat ttcaagtgtg tgccagtaga atgtactgtg actgagccct 240
ttcccacatg tctaggctcc aatgtctcct gtaggtccac ctaactgtgt gttttcaggg 300
acaatgccat ccatgtttgt gctgtagact tgctgtgct gaatcctttc tggggacttt 360
ctcatcgggc agggagcaga gggcttctcg ttcatgcacc ctttgctga acacccatgt 420
agctgtgtg ttgtgtatat attactctta agaggagtgt gtgtgtctgt gtttgtttta 480
aaagtcactt atttcttaca gtgatttcaa ttgcaccatg acttcttcac taaaaccaca 540
aagtcctgct taaaactatg gaaaacctaa cctgattaga gccttgacta ttttgaagat 600
taaatgcaca ctttttatat 620

```

<210> 2627

<211> 573

<212> DNA

<213> Homo sapiens

<400> 2627

```

gtttatgggt ttacattgtc atgtctccac aggacaatgc acatggtagt tttgtcagaa 60
cccagttgga gttttgtttc ccagcatcca aaggaaatcc ctaactttca ttttttcttc 120
ccgtaagcca gccccgaaca cttaccttat aagcccatct ctacctgaat tagcaatcat 180
ggataagctc aataactgat catttcctta tccagtttaa accatatata ttttaacact 240
gtctcttttt cacacacact agttagctaa gaatgagctg gggggctggg cgtggtagtt 300
cacgcctgta atcccagcac tttgggaggg ggaggtgggg ggatcacttg aggtcaggag 360
tttgagacca gcctrgctaa crtgggtgaaa ccccgctctc actraaaatg caaaaattag 420
ctgggtgtgg tggcaggcat ctgtaatcct agctactcrg gaggctgagg crggagartc 480
ccttgaaccc gggaggcaga ggttgagtg ggccaagatc acaccactgc actccagtct 540
gggtgataaa acgagattcc gtctcaaaaa aaa 573

```

<210> 2628

<211> 539

<212> DNA

<213> Homo sapiens

<400> 2628

```

cttctgtaga tactgaagaa acaattgaac cttatacaac tgaaaagatg agtcgagttc 60
ctggaggata tttggctttg acagagtgtc ttgaaattat gacagkaraw wkewrcaaym 120
tycaggtgtt tactacaatc tggaggcaag atctttcttc agtatgtgct gatgtttggg 180
ttgcttgttg aatcacagac actcctagag gagaatgtcg ttcaaggaac agaacgtact 240
cttgatttaa atatagcacc ttttattaac cagtttcagg tacctatacc gtgtattttt 300
ggacctatcc tcattgccct gtataccttt aagcaagcca gtggaactct taagactaga 360
tttaatgact ccgtatttga acacctctaa cagagaagta aaggatatac tttgtaaatc 420
tgggargact tgacttgcta tttccatttt gggkatcata tggtagccct gaaggaggtt 480
tagggttggg tacttycagt ggaggcctcc cmctgggaaa ccaagctggc agtttgttt 539

```

<210> 2629

<211> 672

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(672)

<223> n = A,T,C or G

<400> 2629

```

aattccgttg ctgtcgataa aataatgcat gtaaggccct cagcatagtg cctggcacag 60

```



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aattactgct caaatgttag ctgtcgtatt aatattgksa cktttgcacr ckkatgtaca 120
tttsetgttk atsyakgctc attctttaag cattctccat gcttaaacca gttccataat 180
ccctaggcct gtactccagg gattgagact gaaaggatca tttatgccat gtttctctaa 240
aagcatcatt gctggaagac ttttgataag tctgatgtgt ctcaagctat tctcargcct 300
tttttgtaga gtttagaaat gaagtatttg aatcaattta gtatctcctt tactatgttt 360
ctccttttaa tctcagccaa cccccwacct gcaggtaaac ccagcattca ttaagagctg 420
ggttggggta ctctattctg tatgcatcat aatagcttaa cattatttag tagctgtaac 480
ttacaggttt aatgctagat gaggatgtct caagccgtga gtgtgcttgt gtaaaaatgg 540
tggcaacatc atctcgttgg taggaathtt ttacttgaat tgttattttg ggaaaatgtt 600
aacagatttc ttggataaag aaaatnaatt ggatgatgta tattttatgt ttccttttag 660
cctctcttaa aa 672

```

```

<210> 2630
<211> 424
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (424)
<223> n = A,T,C or G

```

```

<400> 2630
tgtaggcaca agattttctt gctagcggaa tgtgaaccaa aaagtgtaga ggccaatcag 60
taaaaatatt caaagccagt tttgttgttt tcagcagtta gtaactatca gtagatgaat 120
atttactagg aaacattggt cttttaacca ctttgggcat gcttcttatt tagtatgttc 180
atcatgattt agtatcatga cattcagcga acatttattg agtgcctact gtgcactagg 240
gactagtaag catgttaagt ttgtaagctt tgttgatttc caccacaaac ccataggacc 300
tcaggttant ctcataattg aggaaactga gattcccagt gttgaatgaa agccacacag 360
tatcacatgg ccaatatcat gtgattgcag agtcaggact caaaccagc tcttaaccnc 420
cacg 424

```

```

<210> 2631
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 2631
aataccttta aatccctggg cagcaccgca gggacagata ttaccgtcaa cagtgtgatt 60
ctacttccta aaaaccctga gcactttgtg gtgtgcaaca gatcaaacac ggtgggtcatc 120
atgaacatgc aggggcagat tgtcagaagc ttcagttctg gtaaaagaga aggtggggac 180
tttgtttgct gtgccctctc tccccgtggt gaatggatct actgtgtagg ggaggacttt 240
gtgctctact gtttcagtac agtcactggc aaactggaga gaactttgac agtgcacgag 300

```

```

<210> 2632
<211> 908
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (908)
<223> n = A,T,C or G

```

```

<400> 2632
cttaggactg ggtcttgggg aggattagcg cctagatgtc tgattttgga gctgcagcat 60

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gccaggccgt	ggctgagagt	atgtgagcca	tgccttgccc	ttttctgagg	ctcagggaag	120
tggatggagc	tagagagaca	acaggaaaga	cggtgctgaa	gaacatagtg	tctttcctct	180
attgtggacc	taaagagggtg	gggaagcaag	gacaagaggc	aaagagccac	actgcccttg	240
gcatcatcca	aagcattgtc	tggttgacac	caggtcctgg	ttttgtgtct	tttgtcaata	300
cctgaatcct	tgacaaaaga	aaaagtgggt	ttgatgattt	aaagaaataa	gggtgatttt	360
racagaaaat	atattttaaa	aatttttracc	amtgcaata	gttatcctca	agccaatttc	420
cagaacctgc	caccaggggg	aggtgggtgca	gcatgaatca	ttctgaatgc	tttgtctttg	480
aagtgttccc	ctattgctgt	taccatctca	gaggaagtaa	ctgggcatgg	tgagactcct	540
aaaatgaymg	gagttttttt	ggccaaagct	ggcatctgac	ttgccacatt	cctctgagtc	600
tggagtagcc	gcagggtggg	agaatgccag	cccagagtca	gtccatcggg	gttacatttc	660
caaggtctgc	tgccctcctc	tatgtaatgg	ccgtgttact	ttcagatcct	tcagcttccc	720
agagtgttgt	gggaatcctg	gtcattgaat	gtaaagggac	ttagtaaagg	gtatagatat	780
ttttcaaaaa	tgaaaataac	ttttgttctt	ataagtata	agctnttata	aagatcanag	840
gaaaactnga	aaaaatgtaa	aatgtaggac	aatttgtana	acaaacttgc	attngagatg	900
tttttgat						908

<210> 2633

<211> 476

<212> DNA

<213> Homo sapiens

<400> 2633

ggaaggacta	cggatccgca	ggaagaggca	gttggggggc	agggggccag	tagaggaggc	60
tgagctcctt	ccaactcctc	agaacctcca	ctctatggat	ctggacctct	ggattcggct	120
ttctccctgg	gcactgcctt	caggaagacg	ttgagaattg	accttacaca	atcccagcgc	180
cctcctcaca	ggagcctttc	actttacagt	ggcaaggggc	tggttctgga	gaactggctg	240
atgctctgaa	tttcttcata	tacccacat	ttgactttgg	cttacctgt	acaattggag	300
atgttgctac	aggtccctgg	agatgcaatc	agattaagcg	tagaaagcat	tgccaattgg	360
gaaagtcaaa	ataatttatt	ttttttccct	ttcccctacc	ccatccccag	ccaagatttc	420
tttcaagata	tcgcatcatt	cttaacaaca	ttcttaccct	cactgggtcc	ccattt	476

<210> 2634

<211> 1648

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1648)

<223> n = A,T,C or G

<400> 2634

aattccgttg	ctgtcgact	gatttactcc	ctctcttccc	cactccctgt	gaggctgggc	60
tgaggcacgg	atccctgggc	cacagagcaa	gtctccaaat	cagacagctg	cctcagcccc	120
tgggatgtgt	gatttcagct	cctgtcacct	catgcaaggg	cgtggagacc	agtagagggtg	180
tggaggccag	gcagagagag	gagccygtc	tgmgggrkgc	ccagctcatg	ggcactgycc	240
cttcagctag	cctgcctmcg	tcccctgagt	ccaacagtgg	gagccctagc	tgggaagttc	300
tgatcccaaa	agccacagca	ggggactgat	ggctatagca	gaatgagggtc	gggtcaggac	360
cctcaaacac	catctgggaa	caccaagcac	cctgaatcga	gactgcagga	gccctgcggg	420
gtgagactgt	gtcagagata	cactgctggc	cacaagtgtc	ccctctcagt	cccacctttt	480
cgggctgtcc	catgtctatc	tcagggggccc	gttacctctc	tgacgcagtc	ccccatcccc	540
gccacaccag	ggtctgtccg	gccaaccttc	ttccccaggg	aaaggagaaa	agagaaaaca	600
ggctggggccc	ggttggtcac	tcctgtaatc	ccagcacttt	gggagggttg	ggtgggcgga	660
tcacctgagg	tcaggagttt	gagaccagcc	tggccaaagt	ggtgaaacct	catctctact	720
aaaaaaaatt	acaaaaatta	gccgggagtg	gtgggtgggca	cctgtaatcc	cagttactcg	780
ggaggctgag	gcaagagaat	ctcttgagct	caggaggcag	aggttgcagt	gagctgagat	840

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tgcgccactg cactccagcc tgggtgacag agggartccg tcccnaaaaa aaagaaaaga      900
gaaacagctg tcacctcccg cagaccctaa tctctctctc gagcaccgtc atccaccaca      960
tggctggggc tggctcccag gaccagtcca gtctcttagt gccttatctg aggctgcagc    1020
gccagtctcc accccaagga gacagccctt gtccttagat gcccttggcc tccgcagtgc    1080
agcccccagg tgtcctgact gaagcacagg ccatagcccc atttccccgg tgcctgcagg    1140
gctaacctcc acgggagccc aggagctctg gccggcagtc catggcacag ggcctcgga    1200
gactgcaaaa ctgctggact taccctgggc tgcagtccat tgtcgcccc tgggttgaat    1260
caagatagta cttgcagcta gatggatgct tttagccagg ggacattgtg aggggaagat    1320
tcctccacc agtctggcct gtggtgtctg tctctccct gagaccacag cttctccagt    1380
agcagactca tgggcgccac caagtggaa gacctggagc ggcctctgcc atccagtggg    1440
agccaggccc cgagacggag gtgggggag cactgacctc cacagccacc gctttcccg    1500
ctcagcagcc caggcctcct ggcccagccc tgctgggac agtgcttyc cctcaccgg    1560
gaagntngga atyctcctgc ccgagaggaa ggcagacggc acagggacaa ccytgccact    1620
tgggattttg gcttncaagt tggttttt      1648

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<210> 2635
<211> 956
<212> DNA
<213> Homo sapiens

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```

<220>
<221> misc_feature
<222> (1) ... (956)
<223> n = A,T,C or G

```

```

<400> 2635
agaatacaag ccaaaacatg gcttcaaaag gtcagctgca tcttctactgg attacagaat      60
tcttgctgac tctcagaaga aattgttga gagaatagtc atackrcwy kagmwrwaga    120
ataaatwgcc ttctctaaat tctctgctt cgctcctttc ctggcggtgc tctggaacct    180
tgttggtgtc tgtgaccaa tgactgttag ggtcagctag cttcaattgc cctgcactg     240
gaagcaaggt ttgtcagtaa caccaattaa aatactacca gtgtaagtag aagggtgtgt    300
ttgcagatga gaaggtgcta agatgccttg cttatgttct ctgtgttget gtaataccat    360
gaggggtatg ttgtggcaaa cctggccttt ragatcaaga cgaacccac ctgcccctgag    420
aagcgtctcg ctaccaccac agcctacccg aattggkcoct gtcccctaaa cccctcacac    480
tgaaactgc ttgtgtggga gagagctggg tgggttgatc ttttccgagt gtgacttacc    540
tccttcaagg ggatgtttta gcttctcggg cagaagtggg gtgtctattc ctgacaccaa    600
acaccgtggt atatgtggtt gtcacactca gctagtgatg ataaagggtg tcttaaatat    660
gttagctttc agttttcctg aggaagcaat tttatggata ctccccctc cttctcaagt    720
gaggaatagc agagcaaatt ttatttggaa cttaaaccaa tagttataac caatagtttc    780
aacctcctgc ctcaccactg sttccttctt gagctctttc cccacacctc aaaaagagta    840
caaagtgatt ccatctgcag aggtaaattc tttgtttaa aaagtactgt ttttcttacc    900
ttttctggnt ctcttaggta tcagaacaag gtttattagg aatcctttaa aaagta      956

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```

<210> 2636
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 2636
gtggcgagct ctgagttcac tacagcctcc acctcccagg ttcaagagat tctcctgcct      60
caacctcccg agtagctggg actacagttg aaaaagatca tctagcaaag cttttttccc    120
agctacatat aaggaatttg aaagtcacat aaaatggtta agaaaatgtg ccaagattac    180
ctcagtaatt ctggtctgtg ttctcaggag accctggaaa taaacaatgt gtcttctgtg    240
gcttcagcgt cacctagtgc aggctgccat tcaacaaacg cattgtcaac agtcaaccaa    300

```

```

<210> 2637

```

<211> 903
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(903)
 <223> n = A,T,C or G

<400> 2637

aattccggtg	ctgtcgaccc	caaccctctc	tcatgttcag	tctgtctaata	acatgccaga	60
gatttttttt	tcaaaaagt	ctttatccct	acaatgtact	gacagttctt	acagttgaga	120
tttgttcttt	tcagctattg	cttgtgaaaa	aaagcaagac	tatgtcactc	tatagaaggc	180
tgtaaagt	actcaggcag	gaattaatta	ttctgtacct	aaggggttac	ttgtttaatg	240
ggatggcatt	gactttttga	aaatcaagt	gactgagtca	ttgataaaac	atttctaaga	300
gtggggctag	agaacatact	ttacatctga	catcctttgg	cctaacaaca	tctattatta	360
tagtgctcag	cagtgtgggc	attgaagagg	cgcagaatgc	tttgaaagaa	actaatcaga	420
atcttggaac	atcatgatca	tgccattctt	aagtaaatca	actattttca	acactgaaga	480
aaaatgaaac	attatttaga	aaacaatgag	attacaagtt	ccaaactcag	ccaggaatgt	540
ggctcacacc	tgtaatccca	gcactttggg	acacctaggt	gggagcatcg	cttgaagcca	600
ggagttcaag	accagcttgg	gcaacgtagt	gagaccctta	tctctacaaa	aaataaaaaa	660
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ggwccctgag	ctcaggaggt	caaggctgca	gtgagccgag	attgttgcca	ctgcaytgca	780
gctkgggggtg	acagttgcaa	gaccctgttt	tcaaacccaa	acccaaaccc	acacacacac	840
aaacacacnt	twcacacaca	cacacacggg	gttcccattg	gttggccggg	gtttccccag	900
ggg						903

<210> 2638
 <211> 524
 <212> DNA
 <213> Homo sapiens

<400> 2638

aattccggtg	ctgtcggcgc	ggaggagaag	tggcgtcgag	tccggccggg	cagtagagga	60
aattgcggta	gtgaccctcg	ggcctcgma	tgaagagccg	ctttagcacc	attgacctcc	120
gcgcggtact	cgcgagctg	aatgctagct	tgctaggaat	gagagtaaac	aatgtttatg	180
atgtggataa	taagacatac	cttattccgt	cttcaaaaac	cggactttaa	agctacactt	240
ttacttgaat	ctggcatacg	aattcataca	acagaatttg	agtggcctaa	gaatatgatg	300
ccgtctagtt	ttgccatgaa	gtgccgaaaa	catttgaaga	gtcggagatt	agtcagtgca	360
aaacagcttg	gtgtggatag	aattgtagat	tttcaatttg	gaagtgatga	agctgcttac	420
catttaatac	ttgagctcta	tgataggggg	aacattgttc	ttacagatta	tgagtacgta	480
attttaataa	ttctaagggt	tcgaactgat	gaggcagatg	atgt		524

<210> 2639
 <211> 1081
 <212> DNA
 <213> Homo sapiens

<400> 2639

caagcgacga	cggaaaccgc	atggtggcac	ctttattagt	gatgcagacg	acgtcgtgag	60
tgccatgatc	gtcaagatga	atgaagctgc	tgaggaagac	agacagttga	acaatcaaaa	120
aaagccagca	ctgaaaaaat	taactttact	gcctgctgta	gttatgcacc	ttagaagca	180
ggaccttaaa	gaaacattca	ttgacagtgg	tgtgatgtct	gccatcaaag	aatggctctc	240
acctctacca	gataggagtt	tgctgcaact	caagatccgg	gaggagctgc	tgaagatcct	300
gcaagagctg	cctagtgtga	gccaggagac	cctgaagcat	agtgggattg	gacgagcagt	360
gatgtatctc	tataaacacc	ccaaggagtc	aaggtctaac	aaggacatgg	cagggaaatt	420

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aatcaatgag tggcttaggc ctatatattgg tcttacctca aactacaaag gaatgacaag 480
agaagaaagg gagcagagag atctagaaca gatgcctcaa cgacgaagaa tgaacagcac 540
tgggtggtcag acaccagaa gagacctgga aaaggtgctg acaggagagg agaaggctct 600
tagacctgga gatcctggat tctgtgccg tgcaagggtc ccaatgcctt caaacaagga 660
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caagaagggt atcagtcgac tggataaaca gatgagaaag ttcacagata taaggaaaaa 780
aagcagatct gcacacgcag tgaaaatcag cattgagggc aacaaaatgc cattgtgacc 840
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gaagatattt taaaacattt ttagtgtgtc tgtaaatggt tcagcgtgta tcagatgttg 960
tcataggact cacattttctc tcagttatat ttaaaaccgt tgtgtacttt gtacaaaagga 1020
atactagtca tactttctata aactttacac aataaaattt cattctggtt aaaaaaaaaa 1080
a 1081

```

<210> 2640

<211> 1516

<212> DNA

<213> Homo sapiens

<400> 2640

```

aattccgttg ctgtcggtcc cccccccacc tcgccggagt ccggggcggc cccgggtgtcc 60
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tgttgggaag aggaatgcc aagctgccgg ctgaaaatta cccaaccaag agaaatctgc 300
aggatggact ttctggtcct cttctgttcc tacctggctt cgggtgctgat gggctctgtt 360
cttatctgcy tctgctcgaa aaccctatagc ttgaaaggcc tggcagggga ggagcacaga 420
tattttctcg tataattcca gaatgtcttc agagagccgt gcatggattg cttcattacc 480
ttttccatac gagaaaccac accttcattg tctgcacct ggtcttgcaa gggatggttt 540
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gaaccaatcc tggcattata acaaaagcaa atgaattatt atttcttcat gtttatgaat 720
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ggaagaaaca agaatgacaa gtgtatgact gcctttgagc tgtagtcccc gtttatttac 1380
acatgtggat cctcgttttc caagcatggc ttgtttgttt tgatttctgc tgtgcttata 1440
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tgcctgtctt cttttg 1516

```

<210> 2641

<211> 888

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(888)

<223> n = A,T,C or G

<400> 2641

aattccgttg	ctgtcggcag	ctggatggac	actatagcaa	acatcaatca	agagctcatt	60
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taccctctggg	grrgagaaat	ctatacttta	gaagggtgtt	tggatggagc	tccatattcc	180
atgatttctg	acttcccttg	gctgaggta	ttacgagctg	cagagcccaa	cagcttcgct	240
cgatacgact	ttgaagacga	tgaagaaagc	actatctatg	ctcctagaag	gaaaggacag	300
ctgtctgcag	acatctgtat	ggaaacaata	ggagaggaaa	tttcagagat	gcgtcagatg	360
aagaagggtg	tatttcagcg	agtagtgga	atTTTTatcc	actattgtga	tgtcaatgga	420
gagccagttg	aagatgacta	catttaattg	gtccctcttc	ctttccagct	attttgtcag	480
aaagcaagta	gggccatcca	gctgccagag	tgctccacag	ggacttgagg	catgcagttg	540
ggagggtcctg	gctcggtttg	ctatataggg	aatatataag	gaacatcgaa	attgtataca	600
aagatttgta	cataaaaaat	atacaaaagc	gcttcctaaa	gtaccaactt	tatatcatat	660
gtttatacaa	tttaatttaa	aaattcattt	taagggaagc	agataatttg	aaagactttt	720
gtttttcttg	acttaattca	tgaagtatca	ttttttgact	gagtctccat	ttacttcatt	780
cttaatgatt	attgtcatcc	ctttaaatct	gtgccttttt	cttcttgagc	gaagctgttt	840
gagtaaacct	gttgaagagt	ggtttgngng	conttttgn	gccttttt		888

<210> 2642

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2642

gccatttctt	ctggccttta	caaaaaggca	ttttgttata	ctacagtgtg	aacctcattt	60
ttttcactcc	aaaaggtagc	agccccctct	cttccccccc	tggacctgcc	tttactctcc	120
tgggacacaga	gcgcacgtga	ccattgatgt	ttggtttatt	ccaggatcca	aggagctggt	180
tctgctggtt	ggaccaaacc	tcgtgagcca	gccaccctg	acccaaatga	ggagagctct	240
gattctccca	tccgggagca	gtgatgtcaa	acttctgctg	ctgggggaaat	ctcatcagca	300

<210> 2643

<211> 770

<212> DNA

<213> Homo sapiens

<400> 2643

ctgacttcaa	ctgcaatggt	cctgtcaaca	cacagggatt	ctacaggggc	tcccctgggt	60
gcgtcatgga	tgtgttctg	cgccacggct	gtgaggcagc	cttcgtgagc	ctgctggtag	120
aattttggagc	caacctgaat	ctagtgaagt	gggaatcgct	gggcccagag	tcgagaggaa	180
gaagaaaagt	ggaccctgag	gccttgacag	tctttaaaga	ggccagaagt	gttcccagaa	240
ccttgctgtg	tctgtgccgt	gtggctgtga	gaagagctct	tggcaaacac	cggcttcac	300
tgattccttc	gctgcctctg	ccagacccca	ttaaagaagt	tctactccat	gagtagactc	360
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agactgtcat	tgctcctcag	gtgcctgggc	cgctgaacag	tccttgggtc	attgtcagct	540
gagaggctta	tactaaaagt	attattgttt	ttcccaagtt	ctctgttctg	gattttcagt	600
tgcatattaa	tgtaacgggc	catgggggat	gtacatgtag	gggctgaggt	tggaggccta	660
ctaatttcct	gtagggaaga	ctcccagcac	ttctggaact	gtgcttctct	ttatttttct	720
acttctcaat	ttgatggttc	gattaaagcc	ttctagtatc	tcaatgaaaa		770

<210> 2644

<211> 603

<212> DNA

<213> Homo sapiens

<400> 2644

aattccgttg	ctgtcggtag	gatacttaaa	accatcacia	gctgcccaag	caatagaaaa	60
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ctgtgatcga agtttttagag caatcttggc tgaacctaaa aataaagcat ctgaatcctc 120
tgaacaagat tattatagta atatgaggca agaagctttg ggacatgaac cttagagtaaa 180
tatgtttcca tttgaacaac aatctgaatt ttcaagtttt gacaagaatg atagccgagg 240
ccaggaagca atctccaaac gcttgtcagt tgtatcaaga gttcctttca ctgaagaaca 300
gcttttcagc atttttgata tagtaccagg attggaatat tgtgaagtgc aacgagatcc 360
ttattcaaat tatggtcatg gagtggttca gtattttaat gtagcatcag ctattttatgc 420
aaaatacaaa ttacatggat tttagtacc tcttgggaac cgaatagggtg tttccttcat 480
tgatgatgga gtaatgcaac agatctcctt agaaaattgc acacagatgg tagctgcaca 540
gcttgcatca attggttgga ttaccaagt cagcacatta ttgcaatttg aggagccttg 600
gat 603

```

```

<210> 2645
<211> 685
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(685)
<223> n = A,T,C or G

```

```

<400> 2645
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agtggagaa aggcagttcc aggaagtctt cctctagcc ttcatgacag gaagtagttt 180
aatcctctgg gaaatagact tgcagccctg ggaagaaaag agttgttcct ccttggggac 240
atacaccatc atctgggcta tttcatccag tgtctcttct ttatacagga gctcctggct 300
caggaaggca tcccggtcac acagcctcac gtgacggtac tccaaaggca ggaaggggat 360
gaagtagtca atcaggtttt ccttcacaag acggtgtgac caaagccatt gtctatggtc 420
tccacaatct ccgcctggag gtggggctcc aggtgttcca tcgtaatttc tcccggggac 480
catccagcct tgagcaactt taggaccacc tcattgatta tatcgccctt gagattactg 540
agaaacagaa agatagtcca tggagactca gcccnttgn ctcagggggc cggcgttcta 600
agtgtggccc aaggacctcc agcagccctg ggtgcagctt ctccgcttca tcgaagatga 660
acagggtctg gtgcagagct gctgc 685

```

```

<210> 2646
<211> 583
<212> DNA
<213> Homo sapiens

```

```

<400> 2646
agtggctgag tggaggcgcc cagacctggg caggcagcag gctcaggccc acaccttgtg 60
atTTTTgaaa ccaaagccca gaagatgatg tttacttctc tctccctggc tctgcccttc 120
ttactgcaaa ccatgctgtg ccttagggcc cttctcatag ctgttctca tggccatgac 180
tggaacaggg atgcaacctc tttctacaca agcacagtta gttgggtgaa gtcttttttt 240
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ttggctcact gcaacctcca ggccagctc agcctcccta gtagctggga ctacaggcac 360
ccactaccac gcctggctaa ttctttgtat ttttagtaga gatgggggtt gaccgtgtta 420
gccaggatgg tctcgatctc ctgacctcgt gateccacca cctcggcctc ccaaagtgtc 480
gggattatag gtgtgagcca ccgcgcggg ccggttgctg gcattctaat gttctgtagg 540
tggaatatTTT ccaataaaca caaggtgccg taattgacaa aaa 583

```

```

<210> 2647
<211> 958
<212> DNA
<213> Homo sapiens

```

<220>
 <221> misc_feature
 <222> (1)...(958)
 <223> n = A,T,C or G

<400> 2647

atcgagaact	cttactacaa	gctncttgtt	ctttttgcag	gatcccatng	attcgwrkys	60
sgttgctktc	gccaaaatgg	cgcggtgtct	gaaggctgca	gccgcgaatg	cogtagggct	120
tttttccaga	cttcaagctc	ccattccaac	agtaagagct	tcttccacat	cacagccctt	180
ggatcaagtg	acaggttctg	tgtggaacct	gggtckactc	aacctgtak	ccatagcagt	240
gccaratattg	gaawakgctg	ywgcawttta	taasaatatt	ctggggggccc	aggtaagtga	300
agcgggtccct	cttcctgaac	atggagtatc	tgttggtttt	gtcaacctgg	gaaataccaa	360
gatggaactg	cttcatccat	tgggacgtga	cagtccaatt	gcaggttttc	tgcagaaaaa	420
caaggctgga	ggaatgcac	acatctgcat	cgagggtgat	aatattaatg	cagctgtgat	480
ggatttgaaa	aaaaagaaga	tccgcagctc	aagtgaagag	gtcaaaaatag	gagcagatgg	540
aaaaccagtg	atttttctcc	atcctaaaga	ctgtggtgga	gtccttgtgg	aactggagca	600
agcttgattt	atatttgcaa	gcaactaaat	taattgacct	gaaaaagcct	atcaataact	660
atcaaaaatgt	actatgacat	tgagtccctc	actgcttcca	tcatgtaaaa	gttcacagtt	720
aaagactgaa	ttacagaaag	attaaaatat	atacatatat	aaatacataa	atatgtatat	780
tatttagatt	aacaaacata	ttgtttaatt	tgaatttgaa	gaaaatcttg	attactaatt	840
acttagggaa	cattattaaa	atcatataga	aataaattat	tcctcttcta	caatgggkkg	900
naattgaatg	tnatggtgtt	tagcngtgga	cnaggggnat	gtgtgtgatg	gatgggta	958

<210> 2648
 <211> 1583
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1583)
 <223> n = A,T,C or G

<400> 2648

ggagaagcaa	ctgacgacag	atgctgcccc	cattgtgcag	atgcagccca	gaagcagatc	60
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tcagagagtg	gaggtctccg	gccgaacaag	cagaccttta	accctacaga	cactaatgcc	180
ttggtggcag	ctgttgccct	tgggaaagga	ctatctaat	ggagaccttc	aggcagcagt	240
ggtcctggcc	aggcaggcmr	sccaggagct	gggacgatcc	ttgcaggaac	ctcaggatta	300
cagcagstgc	agatggcagg	agctmcaagc	cagcagcagc	caatgctcag	tggggtacaa	360
atggctcagg	caggtcaacc	agggaaaaatg	ccaagtggaa	taaaaaccaa	catcaagtcg	420
gcttccatgc	atccctacca	gcggtgagtg	tggctggcaa	cctcgactcc	ctggtgctct	480
ttgcagagtt	gggcagtga	attacctttt	gtcgaaggct	cacctagatg	ggtacaataa	540
aaagaacatg	ggctttcagc	agcagacaaa	tcccacttcc	accactgact	agctgtgtga	600
ccttggacaa	gtgacctaat	ttttctgagc	ctgtttctca	tttgtaaatg	gtgataatac	660
ctacctcata	gggttgttgt	gaggattaaa	atgaggaaat	gaatgtaaa	cacttagtac	720
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aacctctgtg	ttcttagagg	cacactgttt	tggcaggccc	tcctgcctgg	ggtttcatte	960
tggctatccc	tctaaggcgc	aaggtgaaga	agcttctggg	ccaggaagga	aaaaaaaaatg	1020
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cttggtcttt	acctgtcaaa	tagtcataaa	gtcccctatc	ctttacccca	ccttatacac	1140
acgaggcttt	ctcaggnaag	tggctctgcc	aggcaggact	atgtgggaaa	gggtttttcc	1200
ttagcacacg	aaaaagcccc	ttcccctgga	ttcatgtttc	ttatttttga	gggagaaggg	1260
aattgcactt	cacactgcca	tcagggttta	gttgacctca	taatggtgcc	cactttctcg	1320


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actttggcca ggatttcctt caaagaaaac gactttcctt catttcccta agcctgtggc 1380
ccaaatgggt gaccagaatg atgggtgggag ggggcaaccc ccagtagctt tgcctgtctt 1440
tataaagttg aacaaattga atttagacat tcaggctaac ctgcctttct tagtactcct 1500
ttgttggcat gggcaggggt tgagtcagca gaagtggacc aaaggattcc tctgaataaa 1560
gttattttaa ttgaaaaaaa aaa 1583

```

```

<210> 2649
<211> 1518
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(1518)
<223> n = A,T,C or G

```

```

<400> 2649
gaaacatggg gaaaagtctg taaactcctg gttgatgcaa ttcataatca actaactgac 60
atggaaaaat gtattttgaa atatatgaaa ggaacatcta ttgtggtccc tgaaccactg 120
cactttttat taccagggaa aaaaaatctt gtaacaattt catatccttc aggaatacca 180
gatggccagc tgcaggccta taggaaggag ttacatgac ttttcaatct gcctcacgac 240
agaccctatt tcaaaaggct taatgcttat cactttccag atgagccata caaagatggg 300
tacattagaa atccacatac ttaccttaac ccaccttaaca tgggagactgg tatgatttat 360
gtggtccagg gcatatatgg ctatcatcat tatatgcagg atcgcataga tgacaatggc 420
tggggctgtg cttatcgatc tctgcagact atctgctctt gggtcaaaca tcagggatag 480
acagagaggt ccattccaac acacagagaa attcagcagg ctctagtcga tgccggggac 540
aaaccagcaa cattttgtcg atcgcgcaa tggattggat ctattgaggt gcagctggta 600
ctaaaccaat tgatcgggat aacgtcaaaa atcctgtttg tcagccaagg ttcagaaatt 660
gcctctcaag gacgggaact ggctaatacat ttccaaagt aaggaactcc agttatgatc 720
gggggaggag ttttggccca cacaatacta ggagttgcat ggaatgagat tacagggcag 780
ataaagtttc tgattctaga tccacattat accggtgctg aagacctgca agttattttg 840
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gagtgggtatt ataaatttgt gaataaagaa tcagtttaat ttttcacatt aaatcctggg 1020
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ttctcagaag gagattagac acaacatatg gtaaaagcaa aagcaggagc ttatagattt 1260
gcattgaaatg aaggcggtct tcagacttct tcataaccca cgtgacatca gcacttcctt 1320
ttccactggg tattttctac acttccgaga ctccggttct gtctgagcac ggcaacacaa 1380
tcattcctgt cagggtgttc acttgccttt tatttggcct gcattacatt ntaaattggg 1440
tggtaaagaa aacttggggc acaagtcctn gggaaattcc accatggacc aaagcggaga 1500
ttcttcnagg ctggtttg 1518

```

```

<210> 2650
<211> 386
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(386)
<223> n = A,T,C or G

```

```

<400> 2650
gggaagtgtt tcaatgacaa gagcaggaag agcgagaagg tgaaggtgat tgacgtgact 60

```

```

gtgcccctgc agtgcctggt gaaggactcg aagctcatcc tcacggaggg ctccaaggct 120
gggctgcctg gcttttatga cccgtgtgtg ggggaagaga agaacctgaa agtgcctctat 180
cagttccggg gcgtcctgca tcaggtgatg gtgctggaca gtgaggccct ccggatacca 240
aagcagtcct acaggatcga tacagatgga taaactgcc aagaaccagat ttttaaaagg 300
ccgcaaaaaa tcttttctcg ggagtctaca aatttggaat tgaaaaaacc cngacatcag 360
atgtttttat tttatattat tattat 386

```

```

<210> 2651
<211> 485
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(485)
<223> n = A,T,C or G

```

```

<400> 2651
ctcagctctc accagctgtc agatgctgcc acagggcgag aacctccaag atgtgctccc 60
cagggacatc tactgccgcc tcaagcgcca cctggagtat gtcaagctca tgatgccctt 120
gtggatgacc ccagaccagc gcggcaaggg gctctacgca grcwsmkct tcaatgctat 180
tgccggaaac tgggagcgca agaggcctgt ctgggtgatg ctcatggtca actccctgac 240
tgaagtggac attaatgccc gtggagtgcc tgyttagac ctgttccttg cccaggaggc 300
tgagcggctg aggaacaga ctggggcagt ggaaaagggt gaagagcagt gccatccatt 360
gaatgggttg aacttttcac aggtcatctt tgctttgaac cagacctccc tgcagcagga 420
aagntgcna gcaggcagtc ttcagatccc ctacacgacg gaggatctca tcaaacacta 480
taact 485

```

```

<210> 2652
<211> 766
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(766)
<223> n = A,T,C or G

```

```

<400> 2652
aatccgcttg ctgtcggaaa atattattat gttagtttta gcgtggaaat tggaggctga 60
aagcatggga ttttttacc aagrrmrwg gttaaagga atgacttcat tacagtgtga 120
ctgcacagaa aakttacaaa acaaatttga ctttttgcgc tcacagttga atgatatttc 180
gtcatttaag aatatctaca gatatgcctt tgattttgca agggataaag atcagagaag 240
ccttgatatt gatactgcta aatctatggt agctcttctg cttgggagga catggccact 300
gttttcagta ttttaccagt acctggrgca atcaaagtat cgtgttatga acaaagatca 360
atggtacaat gtattagaat tcagcagaac agtccatgct gatcttagta actatgatga 420
agatggtgct tggcctgttc ttcttgatga atttggtgag tggcaaaaag tccgtcagac 480
atcatagcaa gaactatgtg aagaaaatgc aaacctttca attcccacgt gtatacaagc 540
taatgtgatg aggggggaaa aaatccaacg ggtgcatttt cattcatatg aaagacttct 600
catagtactt ttttttctt tttttaaagg aggtttttct tgttacatgt gatgggcatt 660
gagccacacc tcttcttaga ctgaatattg aagtttttgt tttgagttat gtttataaca 720
tttatttcag amcantaawg rttncaggat tkgtgacaaa ggcaaa 766

```

```

<210> 2653
<211> 401
<212> DNA

```

<213> Homo sapiens

<400> 2653

gtttgagctc	ttgagccagt	gacttcctcg	cacgttcagc	tttctccttt	gtgaaatggt	60
aatagaagca	cgctgcactt	gggattcttg	tggattacat	gtgagggctc	tagaaacact	120
tgatgtgtaa	gccaaactatt	atgtattact	gtatatggaa	cacaagggat	gtagccaaaa	180
ctaaatgcaa	gtttgtgcct	cagatgtctt	cctatcagaa	cagagtcaaa	tccagatttt	240
gatgctkwra	tgtgacagct	tattcagatt	tagaaaaact	tttggtaggg	gccaaagaaa	300
acatatcctt	aaggggatat	gcccctaggc	cctcattttc	cttttctgtc	tgagcaatta	360
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<210> 2654

<211> 475

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(475)

<223> n = A,T,C or G

<400> 2654

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acagtactca	ccatcatgga	tatccgctct	gcagctggcc	tacgggttct	agctgtcaac	180
attcttggtc	gcttcctact	caacagtgac	aggaacatta	ggtatgtagc	cctgacatca	240
ctgcttcgac	tggtgcagtc	tgatcacagt	gctgtgcagc	ggcatcggcc	cactgtggtg	300
gaatgtctac	gggaaactga	tgccctccct	agccggtgag	cagtgataga	ggggacagga	360
gggcagggca	gaggttccca	gtgccctgtg	gccaaagactc	gagccagttt	agagcagctg	420
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<210> 2655

<211> 1731

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1731)

<223> n = A,T,C or G

<400> 2655

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gtcatttgac	cacaggatga	ctacatggag	gctttaacaa	gacttcacat	tactgtttct	180
aaagcctaca	aagttaaccc	agacatgaat	tttgaggttt	ttattcacia	agtgtatggt	240
ctgtctgatg	atcacaaaat	agaaacacag	agggacattc	atcaaagggc	caatgatgac	300
cttgacagatg	ctgggctaga	aaaactccat	cttagctttt	atctgactag	tatctatgac	360
cattcaatat	ttgaagcctt	tagtaagggt	gtgcagaaac	tcattccaca	actgccgacc	420
ttggaaaacc	tattaaatat	ctttatatca	aattcaggta	ttgaaaaagc	ttttctcttt	480
gatgttgtca	gcaaaatcta	cattgcaaca	gacagttccc	ctgtggatat	gcaatcttat	540
gaactttgct	gtgacatgat	ccgatgttgt	aattgatgtg	tcttgatat	atgggttaaa	600
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ggcacctatg	ttctgagtac	cagatgtctg	gggttctttc	ttctgcatta	ggataaatgn	1620
atcatgctca	gtgntaacia	aggggaatta	aaagtttttc	ccacagtccc	cttctagggg	1680
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<210> 2656

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2656

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actgaaaaga	aaaaagaagt	tgaaaaaaag	aaacgggtcac	gagttaaaca	ggtgcttgca	180
gatattgcta	agcaagtgga	cttctgggtt	ggggatgcaa	atcttcacaa	ggatagattt	240
cttcgagaac	agatagaaaa	atctagagat	ggatatgttg	atatatcact	acttgtgctt	300

<210> 2657

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2657

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cctgacttgc	aagttggggt	ctttattggc	ctccgggatt	ctgctcgtgg	cgggtttctcc	180
aggctggtga	tgggcaagcc	gggtgtacca	agtcaggat	gcacatgagg	agccgtttgt	240
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<210> 2658

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2658

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aacaaccaga	agaagtattt	gatgtcttag	agaaacttgg	agaaggatta	ctgtagatgc	180
agtatatgga	atcaggaatc	taaacttcat	gtgagctatt	ggagtttcct	ttgctatcag	240
gatcataagg	gagggcttat	gcagcgtata	caagctatct	ttaaggagac	cggccagatt	300

<210> 2659

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2659

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atccccagt	tgcccagaga	gtgcgacccc	tcgcccggcc	cggcgagccc	cgggcgtaga	120
ccgaactgag	ggaggatggc	agcctctggg	gtggagaaga	gcagcaagaa	gaagaccgag	180
aagaaacttg	ctgctcggga	agaagctaaa	ttgttgccgg	gtttcatggg	cgtcataaat	240
aacatgcgga	aacagaaaac	gttgtgtgac	gtgatcctca	tggtccagga	aagaaagata	300

<210> 2660

<211> 908

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(908)

<223> n = A,T,C or G

<400> 2660

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tagcagcact	actaaccatt	ccagaagcag	agaagagtcc	actgatgagt	gaattccagt	420
cacagatcag	ttctaaccct	gagctggcgg	ctatctttga	aagtatccag	aaagattcat	480
catctactaa	cttggaaatca	atggacacta	gttagatgtt	tgttcaccat	ggggaccatt	540
acatatgacc	atacaatgca	ctgaattgac	aggttaatca	taagacatgg	aaagagaagt	600
gtctaaaagc	ttcaaaatgt	tccacttttt	tttccttcat	ggagactgtt	tgtttggett	660
tcttccattg	ttgtttttgt	agcatttatt	tcagaaatgt	gtatttccat	aatccagagg	720
ttgtaaaacc	actagtgttt	tagtgggtac	agcaacattt	gaaatggaaa	ctaaaagtta	780
ggattttatg	gagtatggag	atagggtcca	gtatctattt	accctgtaat	gttttaggatt	840
aaaaatgtta	aattttgtga	ccntgaattt	ctttctttta	taaattttct	catttaaaaa	900
tcaaaaaa						908

<210> 2661

<211> 872

<212> DNA

<213> Homo sapiens

<400> 2661

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aaaaaactca	ttttattttt	taaaagaaga	aatcatgcaa	gaaaacaaag	ggaacaaaaa	180
atctgccagc	gttatgatca	gctcatggag	gcatgggaga	aaaaagtggg	cagaatagaa	240
aataatcctc	ggaggaaagc	taaagaaagc	aaaacmaggg	aatactattr	aaaagcagtt	300
tccagaaaatt	cgaaaacaaa	gagaacagca	agaaagattt	cagcgagttg	ggcagagggg	360
agctgggtctt	tcagccacca	ttgctaggag	tgagcatgag	atttctgaaa	ttattgatgg	420
gctctctgag	caggagaata	atgagaaaca	aatgcggcag	ctctcgtgat	tccacctatg	480
atgtttgatg	cagaacaaag	acgagtcaag	tycattamca	tgaatgggct	tatggaggac	540
cctatgaaag	tgtataaaga	taggcagttt	atgaatgttt	ggactgacca	tgaaaaggag	600
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tataaagccc	tcgtcagaag	gaattatggg	aaacgcagag	gcagaaaacca	gcaaatgtct	780
cgaccctcgc	aagaagaaaa	agtagaagaa	aaagaagagg	ataaagcaga	aaaaacaaaa	840
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<210> 2662
 <211> 448
 <212> DNA
 <213> Homo sapiens

<400> 2662
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 aatgccaatg attgtaagaa aacaaacaaa tttatcatga aattctcctt gtcattttat 180
 amrtssmyat tttaacatca tttatgggtc cagagatgca tacacttttt tctgacaaga 240
 aaaagtaaaa ggtgatgagg gcaattctgt cctactgttt ttacaggcct ttttcaaag 300
 cagattttgt cataaagttg ttatagattt tttaaaatgc ttttttaata ttaaaatgta 360
 cttttacatt cttaatcttt ttttagaaag gaaaagtgtt cttcatttag ctgctgattt 420
 aaaagtaaaag ttctccaatt cttaaaaa 448

<210> 2663
 <211> 498
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(498)
 <223> n = A,T,C or G

<400> 2663
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 attttgtgtt tcacctatta atttatccct ccccttagcc cctggcaaac actgatctgt 180
 ttactgtctc catagttttg cttttcccag aatgtcacac ccttggaaac atacagcatg 240
 taaccttttc agattggctt cttttacgta gtaatatgca tttaggattc ctteatgcct 300
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 accacaattg atccattcac ctactgaagg tcattttgat tgcttccaag ttttgataat 420
 ttaaaaaatt tttaagaca ggtgtgcatt gtgttttcca tactgggtctc ctgaacacct 480
 gggctgatgt gaacctct 498

<210> 2664
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(300)
 <223> n = A,T,C or G

<400> 2664
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 agaagagcgg cggtttgtgg agatccctcg ggagtctgtc cggctgctcg cagaggacgt 180
 gtgctatcgt ctgagagagg ccacgcagaa tagctctcag ttcatgaagc acaccaaagc 240
 ccggaagctg acggttgagg acttnnncag ggcctcaga tggagcann agtaggctgt 300

<210> 2665
 <211> 787
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (787)

<223> n = A,T,C or G

<400> 2665

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ctctactcat tcatcagcct ctttatatat atgattttta gtcttttcat tgcactgac      120
actgatacat acgaaacaat taagcaatac caacaagatg gcttcccaga gactgaactt      180
cgtacattta tatcagaatg caaagatcta cccaactctg gaaaatacag attagaagat      240
gacctccag tatctttatt ctgctgttgt aaaaagtagc tatcaggttt atctgtactt      300
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tatattttta aaagcmatat ttaatgtctt tgcaacttta tgctgggatt gtttttaaaa      480
aaactttaat gaggaaagct attggattat tattatttct tgtttatttt gccatggctt      540
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gtgcagactg tataattagt ggaaaacaat ccttggctcg actgtgactt tggacactca      660
gtnacccttg cttggaccac tctcaggagn catncttgag agagtgggtg tagttacatt      720
tntcagtaac atgnatttaa antcccttga naggaagaat agagtnacag aatagacnca      780
cagaatn                                     787
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<210> 2666

<211> 703

<212> DNA

<213> Homo sapiens

<400> 2666

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cctcttaccg tgttataaca tccaagtatc tgtggctcag gggccacgaa actggctact      180
gctttcggat gtccttaaga aattgaaaat rtctctcccg catatttcgc tgcaattttc      240
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ccccagtgat ctggcctcag acaactactg gtgagcaagc tggaccasc mtgtacagt      480
tgttatagtg ttaatccttg tgcataatgt tcataatata actatttctg taaagaaagg      540
acactattac atatgaaaat atctcttctt tatataagag aaattactcc agtcagaagg      600
acttagaaac atgttttttt ccttttaaac ttttaagtca gtttttatga agttgttata      660
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<210> 2667

<211> 1018

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1018)

<223> n = A,T,C or G

<400> 2667

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cwssaggcga caagaacctg gcacagccaa ttgaccagg agatctcggg gctgaaggag      180
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<210> 2668

<211> 587

<212> DNA

<213> Homo sapiens

<400> 2668

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ttcatgagta	tgaaggacat	cactctgctg	aacaaatctt	ggagttcata	gaggatctta	480
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<210> 2669

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2669

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tttcttttat	caaaaaatta	cgagaaccac	tcgttttgac	tattatttta	tcactctttg	180
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<210> 2670

<211> 1187

<212> DNA

<213> Homo sapiens

<400> 2670

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tcgtcatgca	gaatgtttta	aggecttagg	ctatatggag	cgagctgctg	aaagctatgg	180
caagggtggt	gatctggccc	cactccattt	ggatgcaagg	atttcacttt	ctacccttca	240
gcagcagctg	ggccagcctg	agaaaactct	ggaagctctg	gaaccaatgt	atgatccaga	300
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atatggcacc tcagaagtat gtgttacgga gacaagctct taatgtacag ggctttccct 1140
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<210> 2671

<211> 1402

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1402)

<223> n = A,T,C or G

<400> 2671

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ctgattaaca ggaggcagct gcagtgcaga ggtcaaaagg gaggggtgtc caggcagaga 180
aaacagcctg tgcaaaaggc ctgaggmaga aacaaactct acttgaggtc agcctggtta 240
gaaagcccaa ctcaaaatag aaagtattac atgataaagg ctgaggcagg ctggaccag 300
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gagtttagtac ttgatttatg cttgttatat aaagaaagag acaacttcac tgtatgatca 660
ttttgtcact tttcaaaagc atttaattcc cattcaattg aaaatgtttc aagaacaaac 720
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cagcagcccg cnggggtttg ggcacgccc ttcagngggc atcaaacctc ccnggtggc 1380
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```

<210> 2672

<211> 343

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(343)
 <223> n = A,T,C or G

<400> 2672
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 ctaaaccctg tcacaaaaaa caatgttaga gacattagga attcagggtt tgaaaatctt 180
 tttttcgatt tatgtgtaat ttacatacca aaaaaccaca ttaaaatagt cctcccttca 240
 acatggctat cttttttcaa gttttatatg catagctctc tcagcacttg aatggaaaaam 300
 tgtacagcat tgggagnagt tnttctttga gacantgggc agt 343

<210> 2673
 <211> 509
 <212> DNA
 <213> Homo sapiens

<400> 2673
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 atggggcgac acagtgagtt tgctgccat gccctgtac tctccatctg ctccgcatgt 180
 ggccagctct tcacttttta caccattggg cagtttgggg ctgccgtctt caccatcatc 240
 atgacctcc gccaggcctt tgccatcctt ctttctgccc ttctctatgg ccacactgtc 300
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 gcgcggggcc gtctaaagca acggggaaaag aaggctgtgc ctggtgagtc tcctgtgcag 420
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<210> 2674
 <211> 485
 <212> DNA
 <213> Homo sapiens

<400> 2674
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 aagaaaaagc aaagtcaaca ccatcaaaga tgaaagtgtt cgtgcttcag ggaacactat 120
 caagaaagtg aaaagacaac ccaagaatgg gatagtattt tsyamwwcm mtawmtkytr 180
 mgrmkctyga yatctattct agctatagga ctcttacaac ttaataaaaag agaaaaccca 240
 cctgggtgca ctggctcacg cctgtaatcc cagcactttg ggaggccagg cggacggatc 300
 acttaagccc aggagttcaa gaccagcttg ggcaacacgg caaaacctg tctctacaaa 360
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 ggcagaggtg ggaggatctc ttgggccccag gaggtggagg ctgcagttag ccaaaatcag 480
 accat 485

<210> 2675
 <211> 1260
 <212> DNA
 <213> Homo sapiens

<400> 2675
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 ctgccctgt atgcgcgccc catcttctct gcctctctgc ctgagctgca caaaacagga 120
 acctacaagt tccagaagac agagctacgg aaggagggct ttgaccggc tattgtgaaa 180
 gaccgcgtgt tctatctaga tgcccagaag ggccgcatac gtcccgtctg accaagaggc 240
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ggcggtatgct ggatccggag cccaggttc cgcccagag cgtcctggac aaggccagac 360
caaagcaagc agggcctggc acctccatcc tgaggtgctg cccctccatc caaaactgcc 420
aagtgaactca ttgccttccc aacccttcca gaggttttct gtgaaagtct catgtccaag 480
ttccgtcttc tgggtctggc aggcctctgg ttcccaggst gagactgacg ggttttctca 540
ggatgatgtc ttgggtgagg gtagggagag gacaaggggt caccgagccc ttcccagaga 600
gcaggagctc tataaatgga accagagcag aagtccccag actcaggaag tcaacagagt 660
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cacccaagcc caccctgacc ccagarcctc acagccccac tgtggccgct tgatcccca 1080
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ccatgtgaat ctggcaaggt gtttaacagt gtgggcttga aagyccaaac caaaaaaaaa 1260

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<210> 2676

<211> 649

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (649)

<223> n = A,T,C or G

<400> 2676

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accaccactg tccctgggtc aacaactgtg taggcgagaa caaccagaag tacttcgtcc 180
tgtttacaat gtacatagct ctcatctcct tgcacgcctc catcatgggt ggattccact 240
tcctgcattg ctttgaagaa gattggacaa agtgcagctc cttctctcca ccaccacag 300
tgattctcct taccctgctg tgctttgagg gcctgctctt cctcattttc acatcagtga 360
tgtttgggac ccaggtgcac tccatctgca cagatgagac gggaatagaa caattgaaaa 420
aggaagagag aagatggggc taaaaaaaca aaatgggatg aacatgaaag ccgtttttkg 480
gccacccctt cttytctagg gcttggggcc agccctttt tgccacggsc aggaccaagg 540
gggargggma gacccttac cagtatgttg ggggttttaa gggggccccc gaccggcat 600
ttggggcact ttaggncaaa agttncccca ancacaagca ctttaccgt 649

```

<210> 2677

<211> 862

<212> DNA

<213> Homo sapiens

<400> 2677

```

aattccgttg ctgtcgaaac cawgratctw cwgkyrgmaw kwaayaaaaa gsaatckgct 60
atctcagtc swwcatgtat tcagyayttk cttctmtctg gaytammttr aagttactss 120
ssktymccaa gcagtgaac gaatggacca aaggggtaaa tctctttgaa caagaaatta 180
ttctggtgcc tattcatcgg aaggtacatt ggagcctggt ggtgattgac ctaagaaaaa 240
agtgtcttaa atatctggat tctatgggac aaaagggcca caggatctgt gagattctcc 300
ttcagtattt acaggatgaa agtaagacca aaagaaatag tgatctgaat cttttagagt 360
ggaccatca cagcatgaaa ccacacgaga ttccctcaaca gctgaatggg agtgattgtg 420
gaatgtttac ttgtaaatat gcagattata tttctaggga caaacctatc acatttactc 480
agcaccagat gcctctcttc cggaagaaga tgggtgtggg aatccttcat cagcagttgc 540
tgtgagaaaa ctttgccctg tccctctagc tgctgggtgt tctttcacag acatttccat 600

```

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atacctcatg cattgtgggt taaaaagtcc ctgcatcact tctgttctca cagggtactga 660
gctgtcaaaa gtgcatgaag gcctctcact gtactctagt cctgacttgg ggtgcagagg 720
gctgcttgca atcctgtttg taaggctgtg cctgctcaga gctttggrrt gttcaaccca 780
cacaagaaca aacgctaact aatatttttt ttaagagatt cttttcccta tgaatgtggg 840
aaatgcagga tttattctgt ga 862

```

<210> 2678

<211> 655

<212> DNA

<213> Homo sapiens

<400> 2678

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ccattgttag catcgtacac gattgtgatt tttatgtcaa aagaagccaa aacttgcaat 60
actattttta gcagacaaaa aaaagaacta agtataaaat gtataaatat ttttgacttg 120
aacatttggg tggcactggg tsmamgtaga gcatccatcc ttcggatgra atgtttggaa 180
aaaagagact tttaaaaagg agacggttgt tttaaagagt ctgttttaggg gttaaagtac 240
tgtaactcac gactgttaaa aaataaattt tcctgtgctg taaaggaagg tttcacagta 300
ccactgagtt agatttcagc cacagatgct tagctttttt tttttgtctt ttttttaagg 360
aggaagcctt tgttttgttt tcctgagccc tcactctggt tttgtgctgt tactcggtag 420
agtcaagact gttacttttt agccatggct gacattgtat caataactaa aactgaaaca 480
ttcaaaagcg aacagggaaa ccgagggtt caagcgtgct cagagccgtt tcagacagtg 540
gaaatccatg acaaacaaaa ggatgtgatc attaattgta aagcgctttg taaaattcac 600
atttacaaaa taataaagtc agttcaaacc taaaaaaaaa aaaaaaa aaaaa 655

```

<210> 2679

<211> 844

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (844)

<223> n = A,T,C or G

<400> 2679

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aaacatatgc agtcccagca actggagaat tacaagaaaa ataagaggaa ggaacttgaa 120
accttcaaag ctgaactaga tgcagagcac gcccagaagg tcctggaaat ggagcacacc 180
cagcaaatga agctgaagga gcggcagaag ttttttgagg aagccttcca scaggacmtg 240
gascwgtacc tgytactgg stactctgma gattgcagwg ygygagmyc mtwagncagc 300
atgtcatcca tggaaagtga cgtggacatg ctggagcaga tggacctgat ggacatatcg 360
gaccaggagg ccctggacgg tcttcctgaa ctctggagga gaagagaaca ctgtgctgtc 420
ccccgcctta gggcctgaat ccagtacctg tcagaatgag attaccctcc aggttccaaa 480
tccctcagaa ttaagagcca agccaccttc ttcttctctc acctgcaccg actcgccac 540
ccgggacatc agtgaggggtg ggagtcctcc gttgttcagt ccgatgagga .ggaagttcag 600
gtggacactg ccctggccac atcacacact gacagagagg ccactccgga tgggtggtgag 660
gacagcgact cttaaattgg gacatgggctg ttgtctggcc aacttggaat ccagtttttg 720
ctgtatgcgg aattccacct ggaaagccag gttgttttat agaggttctt gatttttaca 780
taattgcca taatgtgtga gaaacttaaa gaacagctaa caataaagtg tgaggacggt 840
aaaa 844

```

<210> 2680

<211> 415

<212> DNA

<213> Homo sapiens

```

<400> 2680
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tgatgagatg gggaaagtgg gctcaagagg tctggatctg tggtagatg ggggaagtgg      120
gctcaggagg tctggatctg tgatgagatg gggraagtgg gctcaggagg tctggatctg      180
tgatgagatg gggaaagtgg gctcaggagg tctggatctg tgatgagatg ggggaagtgg      240
gctcaggagg tctggatctg kgrtggrgat ctggagtga agkkgarytc akkwgktcwk      300
krtctrctct tttgtattga ttgaattttt tatatatata tgtgaatttt cacaataaaa      360
tttttttcca aaataaaaata aacaaaaggg gctttttgca acccaattcc tatct      415

```

```

<210> 2681
<211> 647
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(647)
<223> n = A,T,C or G

```

```

<400> 2681
cacaggccct tttgtgatgc gttccacgtg taggagatgt ggtggccgcg gctccatcat      60
catatcgccc tgtgtggtct gcaggggagc aggacaagcc aagcagaaaa agcagtgat      120
gatccctgtg cctgcaggag tcaggatgg ccagaccgtg aggatgcctg tgggaaaaag      180
ggaaattttc attacgttca ggtgacagaa aagccctgtg ttccggaggg acggcgacaga      240
catccactcc gacctcttta tttctatagc ycaaggctct tcttggggga acwgmcmwsmg      300
tcccagrgcc tgtacgagac gatcaacgtg acgatcccc ctgggactca gacagaccag      360
aagattcgga tgggtgggaa aggcattccc cggattaaca gctacggcta cgagaccact      420
acatccacat caagatacga gttccaaaga ggctaacgag ccggcagcag arcctgatcc      480
tgagctacgc cgaggacgag acagatgtgg aggggacggt gaacggcgtc accctcacca      540
gctctggaaa aagatccact ggaaactagg ccgggaagca gcagcccctc caagggncag      600
ggcacctgng acgacngag gnttccagan cagcagcact gagctcc      647

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```

<210> 2682
<211> 870
<212> DNA
<213> Homo sapiens

```

```

<400> 2682
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gaggggctga tccgcatcta cagcatgagg ttctgcccct attctcacag gaccgcctc      120
gtcctcaagg ccaaagacat cagacatgaa gtggtcaaca ttaacctgag aaacaagcct      180
gaatggtact atacaaagca cccttttggc cacattcctg tcttgagagc cagccaatgt      240
caactgatct atgaatctgt tattgcttat tcttgagtay cwgrayrmyr cytatcywkg      300
raggaagctg tttcmatatg acccttatga acgagctcgc caaaagatgt tattggagct      360
atttkgtaag gtcccacatt kgacccaagg agtgcctrgt agcgttgaag atgtgggaga      420
gaatgcacta atctgaaggc agccctgcgt cagggaattca gcaacctgga agagattctt      480
gagtatcaga acaccacctt ctttgggtga acctgtatat ccatgattga ttacctcctc      540
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gcctgcccgt ctggatatca gccatgaagt gggacccac agtctgtgct cttctcatgg      660
ataagagcat tttccagggc ttcttgaatc tctattttca gaacaaccct aatgcctttg      720
actttgggct gtgctgagtc tcaactgtcca ccccttcgct gtccagaatt cccagcttg      780
ttgggagctc acgtcacggc ttgtcttggg aaccaatccg tctctctttc ttttctttga      840
agttcccaat aaaatgaaaa caggaaatgt      870

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<210> 2683
<211> 300

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<212> DNA

<213> Homo sapiens

<400> 2683

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atttacccaa	ataaagtata	ggcgatagaa	attgaaacct	ggcgcaatag	atatagtacc	120
gcaagggaaa	gatgaaaaat	tataaccaag	cataatatag	caaggatcct	cctgtttacc	180
ctgtacctcc	aatgtctggc	acttgttagt	gctcaaatat	tcgttgaatg	aatgaaaaat	240
ccatattgta	attgatgtcc	tctggccaca	tagttttaaa	attaggtgat	tgattatatg	300

<210> 2684

<211> 2672

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(2672)

<223> n = A,T,C or G

<400> 2684

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gacttggaac	tagagctatt	aaaacggcag	cagaagttgg	agcagcttga	acttgagaag	120
cagaaattgc	aagaagagca	agaaaaatgcc	cccgagtttg	tgaaggtgaa	aggcaatctc	180
aggagaacag	gccaagaagt	cgcccaagcc	caggagtcct	aggctgaggg	tgccaccaaga	240
cctcgtgtgt	caccccacag	agctgtctgt	gggtgccttc	tcaatctcag	ggcaaaaagcc	300
cctggagaat	atttcagcca	gcagagaatt	ttgacttgca	gtaggatttg	gtttgatttt	360
cctacgatct	gggtggatgc	cttgctgtgt	acagtgtcag	ttcctattcg	ccaaatgaag	420
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aacaagcaaa	acaagtgaga	acaggaaaaaa	ggaagaggac	actggaatca	attcttgaga	540
gttgacttac	ttgggttttc	ttccattcca	agtttcgtgg	gaccagagac	cttttttctt	600
ttaaaagcta	aaaaacaagt	gtttaattcc	tctttttgtt	atctgttaga	taattgagat	660
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tgtttaattt	atactttcac	ccctgttgca	gttaacacca	gagaagggaac	gtgaatgtcg	780
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caagtattat	tgaaataaaa	tgagaaatgc	ttaagaaaaa	ttgttgctct	atagtaattt	1920
ggtttcgaag	aatggaatgg	taactatttt	ttcccatcgt	tcttttgaga	gaaggaagtg	1980
tgatgactga	tgatcttgaa	aagcccattt	ctgattgcac	gttgactgga	attctttctt	2040
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tttatctaac tagatgtcag atcttgaaat ctgtattctc gaagcaattc tgccacttga 2160
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gctctttgaa gttgtcagat gagctgggct cacaagcctg attcaaacag gctgkcggtc 2460
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ccacagcggg ggggtttccc ttaaaatngg tttaaagggg tttaanaggc ccntaggna 2640
ggaagngggt ggccttcctt aaggccaaaa aa 2672

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<210> 2685

<211> 1282

<212> DNA

<213> Homo sapiens

<400> 2685

```

aattccggtg ctgtcgggtg ttgacgagct cggcggcggt tttgctgaga tctgtggccg 60
tcggcagctg gtgcgggggg cagctgagag cgagagggtg atcggggcgg tgtgtggcca 120
gggcmrtgac gggcaatgcs gkggagtggt gcctcatgga aagcgacccc ggggtcttca 180
ccgagctcat taaaggattc ggttgccgag gagcccaagt agaagaaata tggagtttag 240
agcctgagaa ttttgaaaaa ttaaagccag ttcattgggtt aatttttctt ttcaagtggc 300
agccaggaga agaaccagca ggctctgttg ttcaggactc cggacttgac acgatatttt 360
ttgctaagca ggtaattaat aatgcttggt ctactcaagc catagttagt gtgttactga 420
actgtaccca ccaggatgtc catttaggcg agacattatc agagttaaa gaattttcac 480
aaagttttga tgcagctatg aaaggcttg cactgagcaa ttcagatgtg attcgacaag 540
tacacaacag tttcgccaga cagcaaatgt ttgaatttga tacgaagaca tcagcaaaag 600
aagaagatgc ttttcacttt gtcagttatg ttctgttaa tgggagactg tatgaattag 660
atggattaag agaaggaccg attgatttag gtgcatgcaa tcaagatgat tggttcagtg 720
cagtaaggcc tgtcatagaa aaaaggrtac aaaagtacag tgaaggtgaa attcgattta 780
atttaatggc catttgtgtc gacagaaaaa tgatatatga gcagaagata gcagagttac 840
aaagacaact tgcagaggaa cccatggata cagatcaagg taatagtatg ttaagtgcata 900
ttcagtcaga agttgccaaa aatcagatgc ttattgaaga agaagtacag aaattaaaaa 960
gatacaagat tgagaatatc agaaggaaagc ataattatct gcctttcatt atggaattgt 1020
taaagacttt agcagaacac cagcagttaa taccactagt agaaaaggga aaataggata 1080
aaagaacaag gtgtgagaag gaatagaagg aaacaaacag gaaagatatg gctgcaccat 1140
gcagtgtctac tatatgctga gattctacag gatgagattt ttgaatagct gagcagttgc 1200
ctataatctg tgatgacata aaagtatttg acctaaaatc tttttatttg caaaataata 1260
aataaaaagt gattctccct cg 1282

```

<210> 2686

<211> 681

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (681)

<223> n = A,T,C or G

<400> 2686

```

gcggctcttt tccctcgtga ctgggttgc cctggcgccg cgacggggcc tcacggtccg 60
cagtccccgac gaaccctgc cgggtgtgcg cattccagaa gagctcccga gacatacttc 120
tctgcacaga catagcctct cggggcctgg accagcactg gtgtggagct ggttgtcaat 180
tatgatttcc cccaacgct gcaagattac atccacagag cagggagagt gggccgtgtg 240
gggagcgarg tgccaggcac cgtcatcagt tttgtgacct atccctggga tgtgagcctg 300

```

```

gttcagaaga ttgagcctgg cggctcgccg aaggaraagt cttccnagga ctgcatcct 360
cggtgaaaga gcctttgccc caagcaacct gattttgaca aatctgatta aaatgtgatg 420
ctagaacagg gatctttccc agtatcttga gtgggtgacc cacacttgtc agtgggaggc 480
tctgggctgc ctgtcggtc cttgagggcg ggatgaactg ctttgtgact tggaaaggta 540
cgctgctggc cagcattgga gaagaagctg ctgagcatgg ctttctgtag tctttagcaa 600
gacacaagtg gattttgact ttgtatcatg tcatgatttc taacaataaa tgatgtttt 660
atgtgcaaaa aaaaaaaaaa a 681

```

<210> 2687

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2687

```

aattccgttg ctgtcgctt cctgtctgag cccaagcca cctcagggtc aagagcaaca 60
gggccaagag gatgaagtgg tcttggtgga agggcccacc ctcccagaga cccccgact 120
cttcccactc aaaatccgtt gccgggctga cctggtcaga ttgccctca ggatgtcgga 180
gccccctgcag agtgtggtgg accacatggc caccacctt ggggtgtccc caagcaggat 240
ccttttgctt ttggagaga cagagctatc acctactgcc actcccagga ccctaaagct 300

```

<210> 2688

<211> 964

<212> DNA

<213> Homo sapiens

<400> 2688

```

aattccgttg ctgtcgctga aggtcatcag gcagtctgct gggcaaaaga caacctgtgg 60
ccagggtctg gaagggccct gggagcgccc accccctctg gatgagtccg agagagatgg 120
agggtctgag gaccaagtgg aagaccagc actaagttag cctggggagg aacctcagcg 180
cccttcccc tctgagcctg gcacataggc acccagcctg catctcccag gaggaagtgg 240
aggggacatc gctgttcccc agaaacccac tctatcctca ccctgttttg tgccttccc 300
ctcgctgct agggctgcgg cttctgactt ctagaagact aaggctggtc tgtgtttgct 360
tgtttgccc cctttggtg ataccagag aacctgggca cttgctgcct gatgccacc 420
cctgccagtc attcctccat tcaccagcg gaggtgggat gtgagacagc ccacattgga 480
aaatccagaa aaccgggaac agggatttgc ccttcacaat tctactcccc agatcctcty 540
ccctggrcac aggagacca cagggcagga ccctaagatc tggggaaagg aggtcctgag 600
aaccttgagg tacccttaga tcttttcta cccacttcc tatggaggat tccaagtcac 660
cacttctctc accgcttct accaggtcc aggaactaagg cgtttttct catagcctca 720
acattttggg aatcttccct taatcaccct tgcctcctt ggggtgcctgg aagatggact 780
ggcagagacc tctttgttgc gttttgtgct ttgatgccag gaatgccgcc tagtttatgt 840
ccccgggtgg gcacacagcg gggggcgcca ggttttctt gtccccagc tgcctgccc 900
ctttccctt cttccctgac tccaggcctg aaccctccc gtgctgtaat aaatctttgt 960
aat 964

```

<210> 2689

<211> 635

<212> DNA

<213> Homo sapiens

<400> 2689

```

ccgcactata gaatacaagc tacttgttct ttttgagga tccatcgag aaaaaactgg 60
ccatgcagaa gtcgtccgag tgggtgacca gccagaacac atgagttttg aggaactgct 120
caaggctctt tgggagaatc acgacccgac ccaaggtagt cgccagggga acgacccatg 180
gcactcagta ccgctcggcc atctaccgca cctctgcaa gcaaatggag gcagccctga 240
gtcctaaaga gaactaccaa aaggttcttt cagagcacgg ctteggcccc atcactaccg 300
acatccggga gggacagact ttctactatg cggaagacta ccaccagcag tacctgagca 360

```



```

agaaccccaa tggctactgc ggccttgggg gcaccggcgt gtcctgcca gtgggtatta 420
aaaartaatt gctccccaca tggggggcct ttgaggttcc agtaaaaatg ctttcaacaa 480
atggggcaatg cttgtgtgat tcacaatcgt ggcattttaa gtgcacaagt acaaggaatt 540
tatacagatt ggkttaccgm agtataatct ataggaggcg cgatggcagt gataaatgtg 600
acttatctcc taataagtat ggggggtgga gctgt 635

```

<210> 2690

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2690

```

agcaaatgtg ggaactgcc aaccaaactg caccgacatcg acggcgtacc tcacctcatc 60
ctcatcgcc cccgagacat cgcggctggg gaggagctcc tgtatgacta tggggaccgc 120
agcaaggctt ccattgaagc ccaccctggg ctgaagcatt aaccggtggg ccccgctgcc 180
tccccgcccc actttccctt cttcaaagga caaagtgccc tcaaagggaa ttgaattttt 240
tttttacaca cttaatctta gcggattact tcagatgttt ttaaaaagta tattaagatg 300

```

<210> 2691

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(300)

<223> n = A,T,C or G

<400> 2691

```

caaatgtggg aactgccaaa ccaaactgca cgacatcgac ggcgtaacct acctcatcct 60
catcgccctc cgagacatcg cggctgggga ggagctctcg tatgactatg gggaccgcag 120
caaggcttcc attgaagccc acccggtggc gaagcattaa ccggtgggccc ccgtgccttc 180
cccgccccac tttcccttct tcaaaggaca aagtgccttc aaagggaatt gaattttttt 240
tttacacact taatcttagc ggattacttc anatgttttt aaaaagtata ttaagatgcc 300

```

<210> 2692

<211> 676

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(676)

<223> n = A,T,C or G

<400> 2692

```

cttgaatccc ttgaccttac tgatgagaaa aaggctcctc agtgggctca ggagaagcgt 60
aagctgagcg tgttgcatat tcacggagtc tacaccaacc ctagtggcat tgtccttcat 120
ccggctggat atcagaacgt gctcaggaac actgaagtca tgagagaaat tcagaaactc 180
tacgaaaaca agtcatttct tttcctgggc tgtggctgga ctgtggatga caccactttc 240
caggcccttt tcttgaggc tgtcaagcat aaatctgacc tagaacattt catgctggtt 300
cggagaggag acgtagatga gttcaaaaag ctctcgagaaa acatgctgga caaggggatt 360
aaagtcattc cctatggaga tgactatgcc gatcttccag aatatttcaa gcgactgaca 420
tgtgagatct ccacaagggg tacatcaggg atggtgagag aaggtcagct aaatggctca 480
tctgcagcac acagtgaat aagaggctgt agtacatgag cgagctagag aaatcaccac 540
cgtttangac caagctgtaa ggccctacta cagacagtgt ttaacaagta aactttacaa 600

```

gaaccaaca caattcccca gaaagtnacc aatagccnga gggtgnaggg nccgggggttg 660
aacaacgggg ggnatg 676

<210> 2693
<211> 829
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(829)
<223> n = A,T,C or G

<400> 2693

aattccgttg	ctgtcgttta	cttctcacac	ccagccatcc	gctatcaccc	tcaggagacg	60
ctgaaagaat	ttgtccaact	tgtctgccct	gatgctgggc	agcaggctgg	acagggtggg	120
ttcttcaatc	ccaatgggag	cagccaaggc	aaggtgcaca	acccattcct	ttccacccca	180
atggtgccac	cgccacggcc	accaccgatg	gccaggcctg	tgctcttgcc	gggtccagac	240
acaaagcctc	caaccacgtc	aacagaagga	gggtgcagcct	ccccacgctc	accaatcctr	300
ctcgacaccc	agcacctccc	cgcgaaaccg	attcgtcagt	gttggaccac	gggatccaag	360
ctttgtaaat	atccctcaac	agacacagtc	ctggtacctg	ggataaaaagt	tgacgcgtcc	420
caccatccac	cagacagacc	acctgayccc	ttctcaactc	tgtaacatgg	acgcaacctc	480
aacccagcgc	agttacaact	tcactatcag	cggaaggggg	gaaaaaccga	ttcaaatcaa	540
cttgtagatg	gaaacagcaa	gcattatggg	caaacagcaa	aggccataac	cttttgggat	600
tttttttttt	ttaaaatact	ttagggactg	ttgtaatttc	tcatatgggtg	ctggaaatgg	660
ttgggctttg	taacatttga	agtgtttcca	tggtarcgtg	amatttaggt	tgacgtggct	720
aagccggagg	gactaacctt	tgctcactga	cttcctgttg	taaacacttt	ccttamgggg	780
cctgggctgt	tttcacagta	atttcnatga	aattttaccc	acacaggtg		829

<210> 2694
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 2694

cggatatcct	ctccctcatc	aaacttttct	ccaccaactt	tagcatctgg	ttgccaccct	60
ccaaaatggc	cccagtgate	ccatctccta	ataagtacat	gtctgtgtgg	tcctctccya	120
cactgcatag	gaatggctta	cgtaaccaat	aggtagttga	ggatgtgatg	cagtctgact	180
tttgaggcta	agttgtaaag	aaagacactg	tgtctttcct	ccttggtgtc	ttggagcgct	240
tgctctngga	gaaagccaga	ggttcattgt	cgtgagggat	aacttcaagt	tgncattttg	300
ggagagggtg	acattgggtg	aaggaaatga	aggncctaac	tggtccaattg	nacccatgtt	360
aaagttnagt	ccaaccaagg	gnagattatt	tacca			396

<210> 2695
<211> 467
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(467)

<223> n = A,T,C or G

<400> 2695

```

ggcttctgca accaggaccg gaggacactc ccgggggggc agcctcccc cggggtgttt      60
ctggccgtgt ttgtggaaca gcctactccg tttctgcccc gcttcctgca gcggctgcta      120
ctcctggact atccccccga cagggtcacc ctttctctgc acaacaacga ggtcttccat      180
gaacccccaca tcgctgactc ctggccgcag ctccaggacc acttctcagc tgtgaagctc      240
gtggggcccg aggaggctct gagcccagcg gaggccaggg acatggccat ggacctgtgt      300
cggcaggacc ccgagtgtga gttctacttc agcctggacg ccgacgctgt cctcaccaac      360
ctgcagaccc tgcgtatcct cattgaggag aacaggaagg tgatcgcccc catgctgtnc      420
cgnacaggna agcttgtggt ccaacttctg ggggcgcctt gagcccc      467

```

<210> 2696

<211> 706

<212> DNA

<213> Homo sapiens

<400> 2696

```

gtcggctctt cctatcattg tgaagcagaa ttcaccaagc gttggattgt tcaccacta      60
ataggggaacg agagccgaac agctgaagag agttcactga ctccccagcc ccagggtggc      120
cttgtgcaca tcatgaccag ttttgaagat gctgacacag aagagacagt aacttgtctc      180
cagatgacgg tttaccatcc tggccagttg cagtgtggaa tatttcagtc aataagtttt      240
aacagagaga aactcccttc cagcgaagtg gtgaaatttg gccgaaattc caacatctgt      300
cattatactt ttcaggacaa acaggtttcc cgagttcagt tttctctgca gctgtttaa      360
aaattcaaca gctcagttct ctcttttgaa ataaaaaata tgagtaaaaa gaccaatctg      420
atcgtggaca gcagagagct gggctaccta aataaaatgg acctgccata cagggtgcatg      480
gtcagattcg gagagtatca gtttctgatg gagaaggaag atggcgagtc attggaattt      540
tttgagactc aattttattt atctccaaga tcactcttgc aagaaaacaa ctggccacca      600
cacagrccca taccggagta tggcacttay tcgctctgct cctcccaaag cagttctccg      660
acagaaatgg gatgaaaatg agtcatggac acagaaagtc taaagg      706

```

<210> 2697

<211> 566

<212> DNA

<213> Homo sapiens

<400> 2697

```

cagctcctcc accagcataa tgggaccag catccctgcc aaaactcggg aggtgctcgt      60
cagccacctg gcatcttaca acacatgggc tttacaaggc atgtatggag tttcttgtgg      120
gcttsgsagg tgsyygtsaa ggccaycwgy gatctkaagc cwryacwtgs scytymcmag      180
gtcctgtgag tggagaggca cagagtgttc tgggctagct gagtgtggag gctgggtggc      240
tctgatgcta gccaatcact ctacgctcta ggctcacacc tttccaccty cgacttcgcc      300
agcagaagtc ttgagttcaa tctcattgcc ctggcttggg tcacatgtcc atccatgaac      360
caatcactag actgggtgcg gaaactctga tttgccaagt tcgggtcatg tgtctcacta      420
ggtaagagca gaggaggatc acccccagga agaccagagt gctctttcag aagagtggga      480
caatcgctgg atggctcttt gcaccactca ctctgttct ctgctagggc tgctgggact      540
cacaaggggt aggttgtggc agctgc      566

```

<210> 2698

<211> 760

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (760)

<223> n = A,T,C or G

<400> 2698

ttgaaattac	aaatcacgca	actgcaacac	tagaaggcaa	tcagattttt	aacaaccggt	60
ttggaggctt	atTTTTtagca	tctggtgtta	atgtgacaat	gaaagataac	aaaataatga	120
acaatcaaga	tgccatagaa	aaggctgtta	gtagaggcca	atgtttatat	aaaatatcaa	180
gttataccag	ctatcccatg	catgatttct	acagatgtca	tacttgtaac	accacagatc	240
gaaatgccat	atgtgtgaac	tgcatthaaga	agtgccatca	gggacatgat	gtagagttha	300
ttagacatga	taggtttttc	tgtgactgtg	gtgctggaac	actgtctaata	ccttgtagat	360
tagctggtga	gctacacatg	atacagatac	actatatgac	tctgctccac	ctatagaats	420
taatacattg	cagcacaact	gaattccttc	cctaagaaaa	aagtccttgc	ccattggtaa	480
catccataac	tttaaaacac	tttttttgga	agaagattta	aaatattttg	gccccgggt	540
acaggaaga	gactggtatt	aaaaatggga	tacaccaggt	cagttgacac	ctatggaagc	600
ctccaagcta	cccaaaaagg	aaagtggggc	natatatggg	actccnggga	tctccnaagc	660
ctggggtggn	tttaggcatt	accggggggg	aaagaccttt	gaaggggcca	gaagttggag	720
gaaataagcc	ggccattttg	gtncggatcc	caccttctg			760

<210> 2699

<211> 273

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(273)

<223> n = A,T,C or G

<400> 2699

gggatcccg	gctgtcctgc	agctgtaccc	tgagaactca	gagcagttgg	agctgatcac	60
aacccaggcc	acaaaggcag	gcttctccgg	tgccatgggtg	gtagactacc	ctaacagtgc	120
cannntatan	naatnttctt	ttgttttana	tntgaccttn	ttncnntnnt	ncntntngct	180
ntntatnnac	ttnttcnaaa	ncntcttngn	gtgntcngtt	ctatctatnt	atntntnttc	240
tcntttcctt	tntgnancct	tgattntatt	tat			273

<210> 2700

<211> 334

<212> DNA

<213> Homo sapiens

<400> 2700

gttaacaagc	gtcatgaaca	ggatgcacgt	ggtcagcgtc	ccctacgcgc	tgatgaaggc	60
gaaccactc	tcctggatcc	agaaagtgtg	cttctataaa	gctcgggccg	cgctggtgaa	120
gtcgcgagac	atgcactggg	ctctcctagc	tcagcggggc	cagagggacg	tcagcctcag	180
ctcactgcgc	atgctgattg	tggccgatgg	tgccaacccg	tggctgatct	cctcctgtga	240
cgccttcctc	aacgtcttcc	agtccagagg	tctgaggcca	gaggatcatc	gtccttgtgc	300
aagttctcct	gaggcgctga	cttgcggca	tccg			334

<210> 2701

<211> 306

<212> DNA

<213> Homo sapiens

<400> 2701

ggtagaagca	gcaaagaaag	cccaccatgc	agcgtgcaaa	gaggagaagc	tggctatcke	60
rcrwwaagcc	aacagcaagg	cagacccatc	cytcaaccct	kaacagctca	agaaattgca	120
agacaaaata	gaaaagtgca	agcaagatgt	tcttaagacc	aaagagaagt	atgagaagtc	180

```

cctsaaggaa ctcgaccagg gcacacccca gtacatggag aacatggagc aggtgtttga    240
gcagtgccag cagttcgagg agaracgcct tcgcttyttc cgggagggttc tgcttgagg    300
ttcaag                                         306

```

```

<210> 2702
<211> 1078
<212> DNA
<213> Homo sapiens

```

```

<400> 2702
ggtgaatgcc acacccttca agattgctcg aggccagatc ttgaagatac tcacagggaa    60
gtagtggtg gggcatgcca tccacaacga cttcaaagcc cttcagtact ttcaccccaa    120
gtccctcacc cgtgacacct cccatmkscm csmsctcaac cggaaggctg actgcccgga    180
gaatgccacc atgtctctga agcatctcac caagaagctg ctaaaccggg atatccaggt    240
tgggaagagc ggacattcct ctgtggaaga tgcccaggcc accatggagc tatataagtt    300
ggttgaagtc gagtgggaag agcacctagc ccggaatccc cctacagact agtggcartg    360
gggacgctgg tgatatgagg aggcagaggg agcaccaggc agaaacaggc cagtggacca    420
atggacagct ccaccagctc cacatctttg gaagctagat ttggggagag agaagctcta    480
ccccagactt aatacccatt gaaatttcac ctcagggtgt gtgtcctgtg tctgggttaa    540
tgtcccatgg aaggggaaag ccttcacgtc agaaccacaac cctatacctt ttacttctta    600
aatggtgcta acacaggtgt cccagggtgc tctgtgccag ttaagatttt taactttcaa    660
ggggcagggc atactgggaa atgtagtctt ccaaactgcc ttatcacttg ggtggacata    720
tgtctccttt tatgcctttt ggtcttgagt aattaacagc atcctcttcc acgctcagaa    780
gtgttctggt tggggccagg catggtggct cagcctgtga gtcccaacac ttagggaggc    840
cgaggcgggc ggatcacctg agatcaggag ttcaagacca gcctggccaa catggcgaat    900
tcccgttctc tactaaaaat acaaaaaatg tgtggggtgt ggtggcagga gcctgtaate    960
ctagctactc aggaggctga ggcaggagaa tcgcttgagc ccaggaggcg gagattgcag    1020
tgagccgaga tcgtgtcact gcactccagc ctgggtgaca agagtggagat ccgtctcc    1078

```

```

<210> 2703
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

```

```

<400> 2703
ccgtgggact agggcggcga tgggtgccca tgcagagtgc cgtcctctgg gagtgtttga    60
gtgtgaactc tgtacnttga cagctccgta cagctatgtg ggacagaagc cccccaacac    120
ccagtcgatg gtgaatgcag ttattcttac tccaagagat tctgcctccc ttgtgtccgg    180
gagaacatca atgcttttcc tcaggaaatt cggcaagact tggagaaaag gaaagctcca    240
tcaaagagga ccccagcca gcccggttct cggacgtgag tgcaactggg gctaggtcat    300

```

```

<210> 2704
<211> 441
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(441)
<223> n = A,T,C or G

```

<400> 2704

```

ccgatacgag gcaaacgggg aagttaagca aagaccaatt cgcgttagct atgtatttca    60
ttcagcagaa ggtcagtaaa ggcacgcacc ctctcgaagt cctctcgccg gacatggtcc    120
cgcttcgga gagaggcacg cccggcccgg acagttcagg ctctctcggc tccggggagt    180
ttactggcgt gaaggagctt gattgacatc agtcaagaga ttgccagtt acaaagagag    240
aaatattcac tggacaaga cattcgagaa aaggaagagg caatcatgac agaaaaccag    300
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120

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PCTWORLD INTELLECTUAL PROPERTY ORGANIZATION
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INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : C12N 15/12, C07K 14/47, C12Q 1/68, C07K 16/18		A3	(11) International Publication Number: WO 99/58675 (43) International Publication Date: 18 November 1999 (18.11.99)															
(21) International Application Number: PCT/US99/10602 (22) International Filing Date: 13 May 1999 (13.05.99) (30) Priority Data: <table border="0"><tr><td>60/085,426</td><td>14 May 1998 (14.05.98)</td><td>US</td></tr><tr><td>60/085,537</td><td>15 May 1998 (15.05.98)</td><td>US</td></tr><tr><td>60/085,696</td><td>15 May 1998 (15.05.98)</td><td>US</td></tr><tr><td>60/105,234</td><td>21 October 1998 (21.10.98)</td><td>US</td></tr><tr><td>60/105,877</td><td>27 October 1998 (27.10.98)</td><td>US</td></tr></table> (71) Applicants: CHIRON CORPORATION [US/US]; 4560 Horton Street - R440, Emeryville, CA 94608 (US). HYSEQ INC. [US/US]; 675 Almanor Avenue, Sunnyvale, CA 94086 (US). (72) Inventors: WILLIAMS, Lewis, T.; 3 Miroflores, Tiburon, CA 94920 (US). ESCOBEDO, Jaime; 1470 Lavoma Road, Alamo, CA 94507 (US). INNIS, Michael, A.; 315 Constance Place, Moraga, CA 94556 (US). GARCIA, Pablo, Dominguez; 882 Chenery Street, San Francisco, CA 94131 (US). SUDDUTH-KLINGER, Julie; 280 Lexington Road, Kensington, CA 94707 (US). REINHARD, Christoph; 1633 Clinton Avenue, Alameda, CA 94501 (US). GIESE, Klaus; Chausseestrasse 92, D-10115 Berlin (DE). RANDAZZO, Filippo; Apartment 403, 690 Chestnut Street, San Francisco, CA 94133 (US). KENNEDY, Giulia, C.; 360 Castenada Av-		60/085,426	14 May 1998 (14.05.98)	US	60/085,537	15 May 1998 (15.05.98)	US	60/085,696	15 May 1998 (15.05.98)	US	60/105,234	21 October 1998 (21.10.98)	US	60/105,877	27 October 1998 (27.10.98)	US	enue, San Francisco, CA 94116 (US). POT, David; 1565 5th Avenue #102, San Francisco, CA 94112 (US). KASSAM, Altaf; 2659 Harold Street, Oakland, CA 94602 (US). LAMSON, George; 232 Sandringham Drive, Moraga, CA 94556 (US). DRMANAC, Radoje; 850 East Greenwich Place, Palo Alto, CA 94303 (US). CRKVENJAKOV, Radomir; 762 Haverhill Drive, Sunnyvale, CA 94068 (US). DICKSON, Mark; 1411 Gabilan Drive #B, Hollister, CA 95025 (US). DRMANAC, Snezana; 850 East Greenwich Place, Palo Alto, CA 94303 (US). LABAT, Ivan; 140 Acalanés Drive, Sunnyvale, CA 94086 (US). LESHKOWITZ, Dena; 678 Durshire Way, Sunnyvale, CA 94087 (US). KITA, David; 899 Bounty Drive, Foster City, CA 94404 (US). GARCIA, Veronica; Apartment 412, 396 Ano Nuevo, Sunnyvale, CA 94086 (US). JONES, Lee, William; 396 Ano Nuevo #412, Sunnyvale, CA 94086 (US). STACHE-CRAIN, Birgit; 345 South Mary Avenue, Sunnyvale, CA 94086 (US). (74) Agent: BLACKBURN, Robert, P.; Chiron Corporation, P.O. Box 8097, Emeryville, CA 94662-8097 (US). (81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i> (88) Date of publication of the international search report: 17 February 2000 (17.02.00)	
60/085,426	14 May 1998 (14.05.98)	US																
60/085,537	15 May 1998 (15.05.98)	US																
60/085,696	15 May 1998 (15.05.98)	US																
60/105,234	21 October 1998 (21.10.98)	US																
60/105,877	27 October 1998 (27.10.98)	US																
(54) Title: HUMAN GENES AND GENE EXPRESSION PRODUCTS V																		
(57) Abstract <p>This invention relates to novel human polynucleotides and variants thereof, their encoded polypeptides and variants thereof, to genes corresponding to these polynucleotides and to proteins expressed by the genes. The invention also relates to diagnostic and therapeutic agents employing such novel human polynucleotides, their corresponding genes or gene products, e.g., these genes and proteins, including probes, antisense constructs, and antibodies.</p>																		

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INTERNATIONAL SEARCH REPORT

International Application No
PCT/US 99/10602

A. CLASSIFICATION OF SUBJECT MATTER IPC 6 C12N15/12 C07K14/47 C12Q1/68 C07K16/18		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 6 C07K C12Q		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used)		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	YEATMAN ET AL: "Identification of genetic alterations associated with the process of human experimental colon cancer liver metastasis in the nude mouse" CLINICAL & EXPERIMENTAL METASTASIS, vol. 14, no. 3, May 1996 (1996-05), pages 246-252 252, XP002099961 ISSN: 0262-0898 the whole document <div style="text-align: center; margin-top: 20px;">--- -/--</div>	1-5
<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input type="checkbox"/> Patent family members are listed in annex.		
* Special categories of cited documents : <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier document but published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p> </div> <div style="width: 45%;"> <p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</p> <p>"&" document member of the same patent family</p> </div> </div>		
Date of the actual completion of the international search <div style="text-align: center; font-size: 1.2em;">14 September 1999</div>		Date of mailing of the international search report <div style="text-align: center; font-size: 1.2em;">22. 12. 99</div>
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer <div style="text-align: center; font-size: 1.2em;">van Klompenburg, W</div>

INTERNATIONAL SEARCH REPORT

International Application No.
PCT/US 99/10602

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	YEATMAN ET AL.: "Identification of a differentially-expressed message associated with colon cancer liver metastasis using an improved method of differential display" NUCLEIC ACIDS RESEARCH, vol. 23, no. 19, 1995, page 4007/4008 8 XP002099962 ISSN: 0305-1048 the whole document ---	1-5
X	CARMECI ET AL: "Identification of a gene (GPR30) with homolgy to the G-protein -coupled receptor superfamily associated with estrogen receptor expression in breast cancer" GENOMICS, vol. 45, no. 3, 1 November 1997 (1997-11-01), pages 607-617 17, XP002099963 ISSN: 0888-7543 the whole document ---	1-5
X	J.H.MORISSEY: "Human tissue factor gene" EMBL DATABANK, ID HSTFPB, 20 February 1989 (1989-02-20), XP002114962 the whole document ---	1-5
A	RADINSKY ET AL: "Level and function of epidermal growth factor receptor predict the metastatic potential of human colon carcinoma cells" CLINICAL CANCER RESEARCH, vol. 1, no. 1, January 1995 (1995-01), pages 19-31 31, XP002099964 ISSN: 1078-0432 the whole document ---	1-5
A	BALDI ET AL: "Differential expression of the retinoblastoma gene family members pRb/p105, p107, and pRb2/p130 in lung cancer" CLINICAL CANCER RESEARCH, vol. 2, no. 2, July 1996 (1996-07), pages 1239-1245 45, XP002099965 ISSN: 1078-0432 the whole document -----	1-5

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 99/ 10602

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☒ Claims Nos.: 11
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-5

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box 1.3

Claims Nos.: 11

The subject matter of claim 11 is not clear. A meaningful search could therefore not be performed for this claim.

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

1. Claims: 1-5

A library of polynucleotides comprising the sequence information of at least one of the sequences 1-2702.

2. claims: 6-11 all partially

The isolated nucleic acid with SeqIdNo:1, sequences with at least 90% sequence identity therewith and degenerate variants thereof, host comprising said nucleic acid, peptide encoded by said nucleic acid, antibody against said protein, vector comprising said nucleic acid.

3-2708. claims: 6-12, all partially, as far as applicable As invention 2, and when applicable, a method for detecting the differential expression of said nucleic acid, but limited respectively to the SeqIdNo:2-2707.

For the sake of conciseness, the second matter is explicitly defined, but the subject matters of inventions 3-2708 are defined by analogy thereto.